# PNOmation II

## User Guide & Upgrade Instructions

Driver Version 4.61

Media Patch 9

Manual Revision: October 15, 2013

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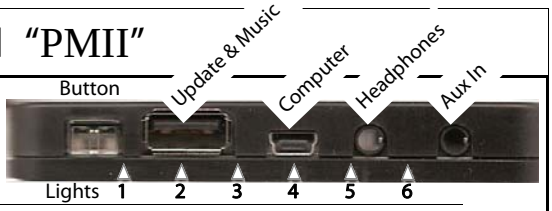
# Introduction to PNOmation II "PMII"

**PLx Box "***Pin-Light Extension"* - What is the status of the system?




The PLx box should be located under the piano near the edge for easy visibility.
*Contact your dealer or installer if you cannot locate this box.*

The six lights will give you important information about the system before connecting to PMII.

The four sockets [two USB & two 1/8" stereo Audio] "Extend" the PMII ports for easy access.
Large USB - **Update PMII** & External **Music** Access / Small USB - Record to **Computer**, pianos with optional record.
Audio 1- **Aux In**: External Music Access / Audio 4 - **Headphones**

The button has multiple functions. [Power ON, from "Standby", Start & Stop Play]

**Network Mode -** How are going to connect to PMII?
Use **qrspno.local** instead of the IP address in either Stand Alone or Network modes

Stand Alone - No connection to the Internet.

The user wirelessly connects to QRSPNO#### and PM II delivers the IP address and control on Google Chrome, Safari or Android web browser, at the IP address of 192.168.1.1 or qrspno.local
PM II and the users Wi-Fi device communicate only with each other.
*In Stand Alone mode the third PLx light is green.*

Network - Connection to the Internet, the *preferred operating mode. Connect using qrspno.local*

The Wi-Fi device under the piano is programmed to connect to the users home network.
*Wi-Fi devices we provide will NOT connect to a 5GHz home router.*
PM II is programmed to get an IP Address from the home router.
*In Network mode the third PLx light is yellow.*

Network Mode Advantages:
The Wi-Fi control device, iPad, can be connected to the Internet and still control PM II.
Register, Place Music Orders and Update PMII directly through the internet.

**Voice Prompts**

We send a number of voice prompts to the speaker.
System status, Version #, IP address can be heard during the power on sequence and from QRS remote control commands. The speaker must be on to hear these prompts. We normally connect the speaker to a switched outlet so that it is off when PMII is in Standby mode. If the first PLx light is yellow, press the PLx button once so the first light is green. To test, press any one of the numbered buttons on the QRS remote control.

**Connecting to PMII**

It's always a good idea to look at the PLx lights, especially if you can't connect.

**The second light should ALWAYS be green**. You won't be able to connect to PMII if the second light is yellow.
If it's not green, unplug the piano from the AC wall outlet, wait a few minutes and then reconnect to power.

Connect your wireless device to the Wi-Fi that you are using, either QRSPNO#### or your home network.

Go to your web browser and enter qrspno.local, 192.168.1.1 or the address provided by your home router.
*Multiple PMII pianos, set up for Network Mode and using the same local network, cannot use qrspno.local to connect.*

**Trial Activation: 90 Day Trial Period**

Don't forget to create an account to receive your 90 day access to the entire QRS music library.

Connect to the piano, not the QRS website, and go to System Setup / Trial Activation.
Press the green Customer Activation button, fill out the form and then press the Save button.

**Purchasing Music**

Select the music you want from the Sample Library and go to the cart. The cart will give you the numbers needed to place your order. Call QRS at 800-247-6557 or just press "Purchase Music" / "Place Order" to send via email. Once the order is processed go back to the cart and press "Enter Release Key" and enter the Release Key given by QRS.

**Check for PMII updates** *See the "*Updating the Driver "Operating System" [OS Update]" section of this manual for details.

For best performance please keep your PMII system updated to the latest Software Driver Version. Connect to your piano and go to Information / System for your current version. Download the latest from http://qrsmusic.com/support_pmii.asp

# User Guide

## Wirelessly Connect to PMII and Power ON

Check the status of the system by looking at the lights on the PLx box.

If all of the lights are off, the power is probably disconnected

Plug the AC power cord into a wall outlet.

When the piano is plugged into the AC wall outlet….
The lights will scan while the operating system loads and the music is indexed.

Stand By - #1 light is yellow.

No power to move the keys and the speaker is off.

Low Voltage Power - #2 light must be green for the system to operate.

If it's yellow the system has shut down and you must recycle the power.

Stand Alone Mode- #3 light is green.

All units are shipped from the QRS factory in "Stand Alone" mode.

If #3 light is yellow, and the #2 is green, the system is in Network Mode use a QRS remote to change to Stand-Alone.

Press the following buttons in sequence…
SHIFT FUNC 9 9 0
The third light should be green.
Press SHIFT INFO to confirm the 192.168.1.1 address.

Connecting into PMII - Two Steps

1

Wirelessly connect your device to the piano's Wi-Fi Adapter.

<u>iPod Touch / iPhone / iPad</u>
Go to Settings / Wi-Fi
Select "QRSPNO ####"

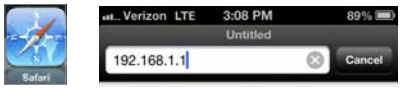
<u>Computer</u> [*Windows 7 example shown*]
Click on your Wireless Network Connection Icon.
Select "QRSPNO ####"

<u>Android</u>
Go to Settings / Wireless Networks / Wi-Fi
Connect to "QRSPNO ####"

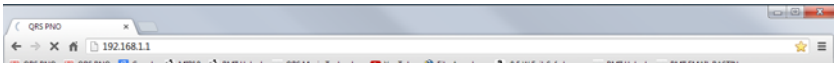
2

Enter <u>192.168.1.1</u> or <u>qrspno.local</u> in the address box of your browser window, then refresh the browser.

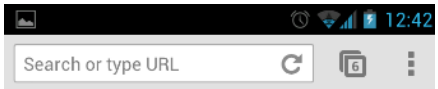
<u>iPod Touch / iPhone / iPad</u>
Safari




<u>Computer</u>
Use Google Chrome



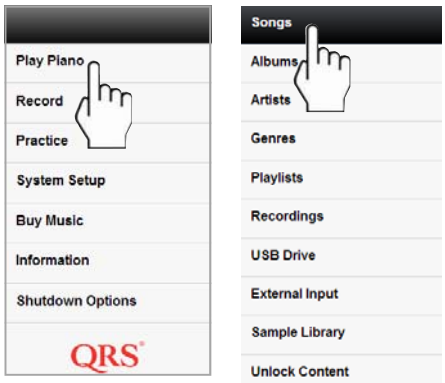

<u>Android</u>

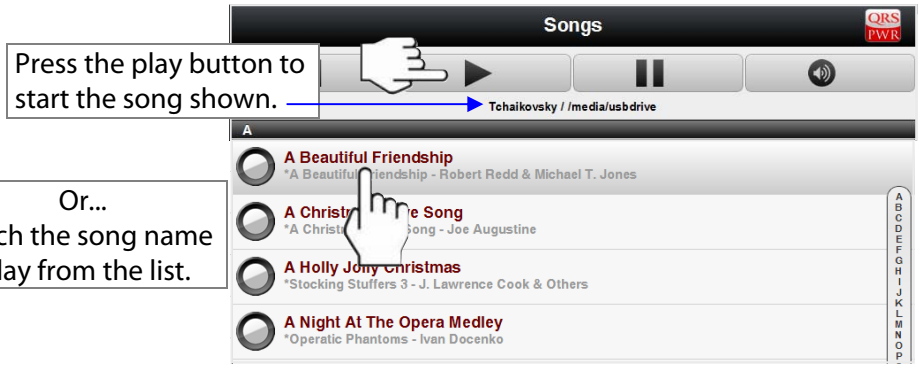



Press the "Power ON" button.

# User Guide

## Play Piano

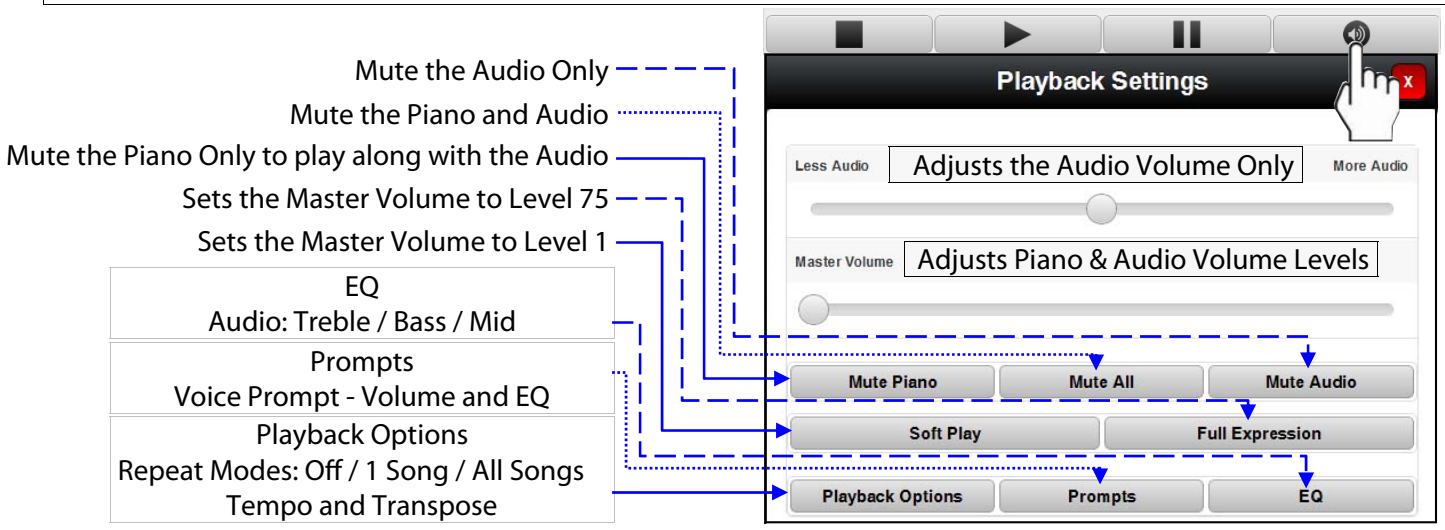



Notice the song in the list below with an **Asterisk *** in the second line of the title.
This is a sample of a **Complimentary Song** that you receive with the purchase of the system. [318 songs]
Go to the Trial Activation section of the manual to learn how to release the entire QRS Library for 90 days.

## Playback Settings

To adjust volume levels, press the "Speaker" icon to open the "Playback Settings" page.



# User Guide

## System Information

Go to Information / System to view the current "Driver" version.

PMII Serial Number - *Required to Release Music*

**Driver Version**

10 pin PNOscan - QRS Record System
Numbers above zero indicate a record sensor strip is attached. *There is only one strip attached to this PMII*

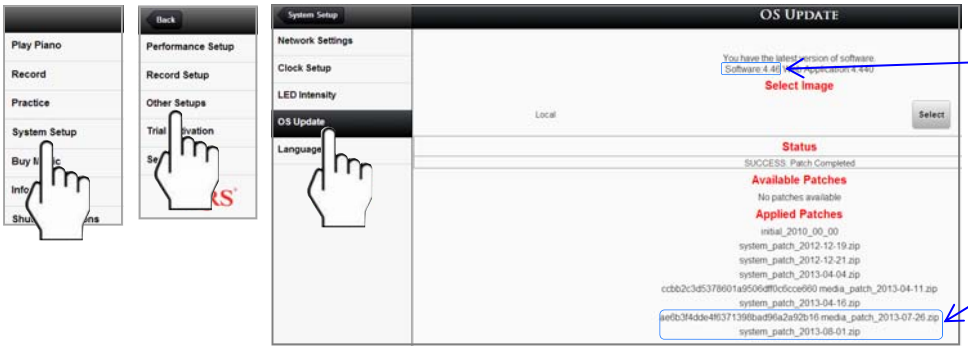
Last Key Adjust (Align) Date

## Updating the Driver "Operating System" [OS Update]

Check the QRS website for the latest updates:
http://www.qrsmusic.com/support_pmii.asp
There are two update "Patches" on the website:
System and Media.

**QRS MUSIC**
**SOFTWARE UPGRADES - SOFTWARE UPDATES/MANUALS**
**Updates for PNOmation II:**
Media System Revision 9 - July 26, 2013
System Patch 461 - October 15th, 2013

Go to the OS Update page to check your current patches and to view the update progress.




Current Software Driver

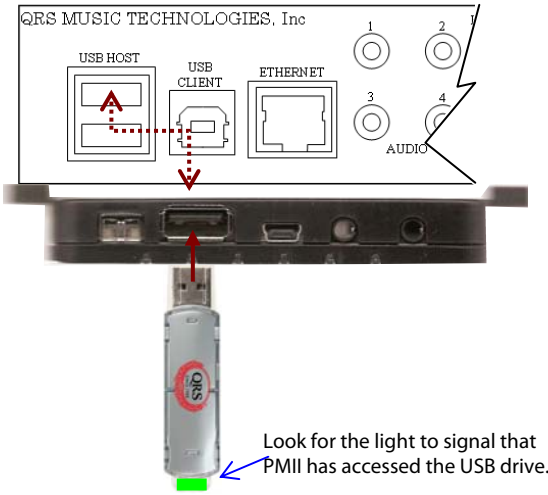
media_patch_2013-07-26
system_patch_2013-10-15

The Last Patches applied to PMII are here.
Compare the dates, they should those on the web.

If newer Patches are available, copy them both to a USB memory stick.
**Don't unzip or rename these files!**
"system_patch_2013-xx-xx.zip" and "media_patch_2013_xx-xx.zip"

Plug the USB memory stick in the USB port on the PLx box.

The update procedure is automatic:
- Old Patch File Found
- Copy Patch File from USB Drive
- Unzip
- Execute
- Reboot

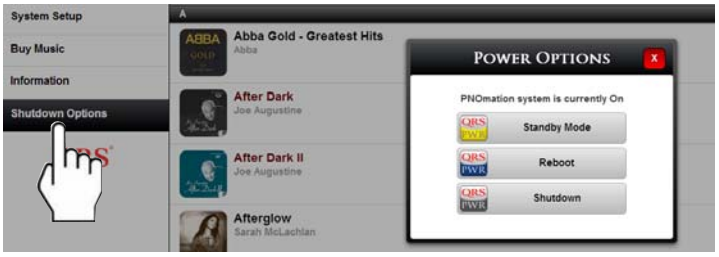



Look for the light to signal that PMII has accessed the USB drive.

Go to "Shutdown Options" and select "Reboot" and wait for system to reboot and reconnect.
Go back to the "OS Update" page and verify that the system updated to the latest patches.
Remove the USB memory stick.

## Shutdown Options

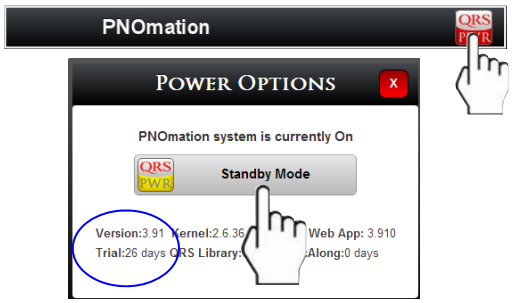
Go to "Shutdown Options"



First light is green and PNOmation is ready

"**Standby**" - Shuts off power to the key solenoids but keeps the processor running.
When you finished for the day go to Standby Mode.

You can also select the "QRS/PWR icon



First light is yellow and PMII is sleeping

Notice Version Number & Remaining Trial Days

"**Reboot**" - Restarts the system in case the unit does not respond to commands.
Sometimes a reboot is required after a Music Release or System Update.

Scanning lights

"**Shutdown**" - Shuts OFF the system for a move or when the unit won't be used for a while.
**To restart after a shutdown the piano must be disconnected and then reconnected to AC power.**

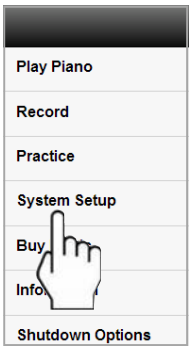
All lights Off

## Trial Activation / My Account

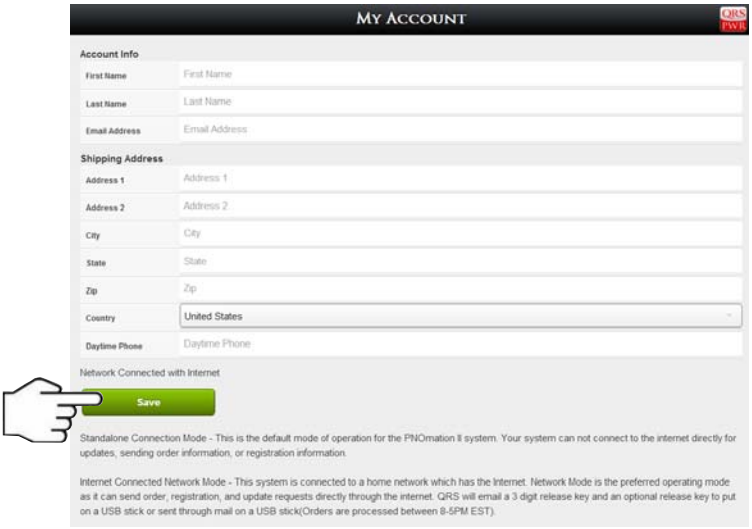
With the purchase of a QRS PNOmation II system or one of the QRS PMII Upgrade kits you will receive full access to the entire QRS Music Library for 90 days. The trial period begins after you complete the Trial Activation Form.

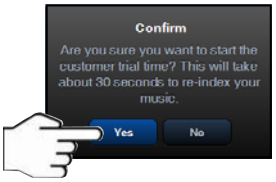
When the 90 day trial period expires you will have full access to about 318 songs.
*See the Complimentary Song list in the back of this manual.*
*To purchase additional music after the trial period see the Purchasing Music section of this manual.*

Go to System Setup / Trial Activation and press the "Customer Activation" button.

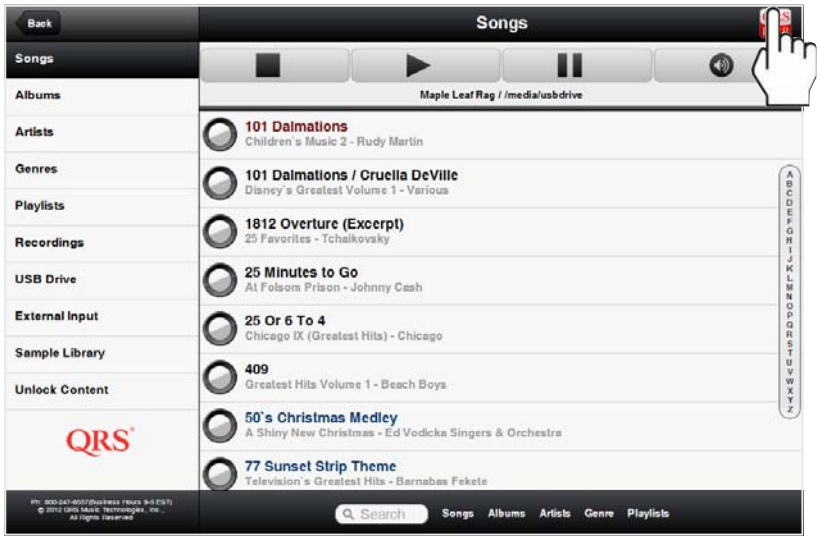


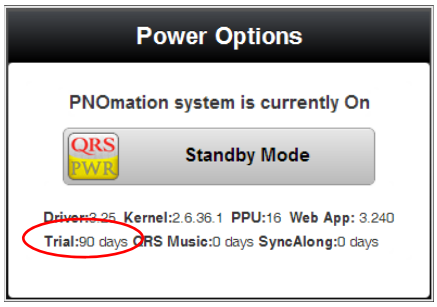
Complete the Trial Activation form, then click "Save & Yes" to activate your 90 access to the entire QRS Music Library.




Select the QRS/PWR Power Options button to view the number of trial days remaining.



## Network Settings

**Please update PMII to the latest Driver version before switching modes.**

*See the "Updating the Driver "Operating System" [OS Update]" section of this manual for details.*

PNOmation II systems are shipped from the factory in "Stand-Alone" mode with the IP address of 192.168.1.1 and a host name of qrspno.local

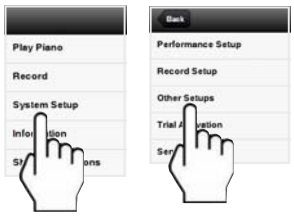
You may want to connect PMII to your home network, which will allow you to control PMII from any device on your network and make purchasing music easier. You can either connect a cable from PMII to your network or reprogram the pianos Wi-Fi device to communicate to your home network.
*See the Wi-Fi configuration settings section for details.*

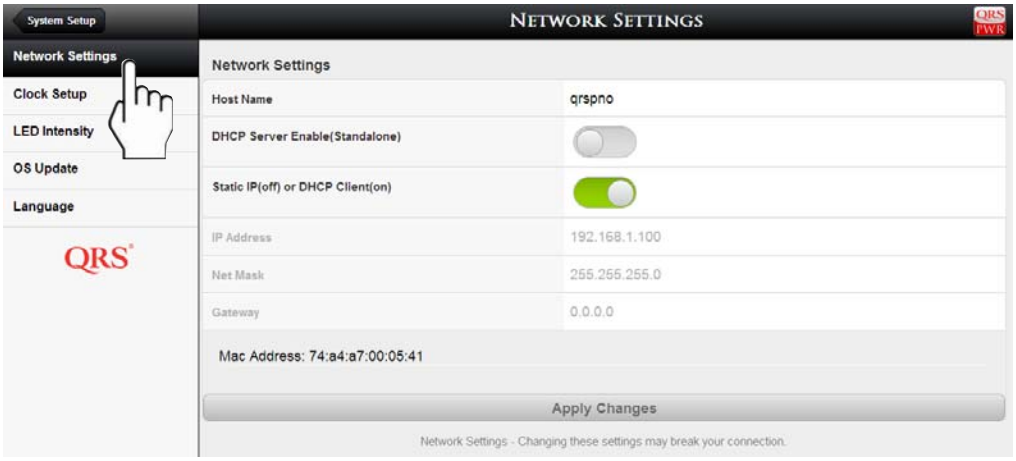
To use PMII with your local area network you must:

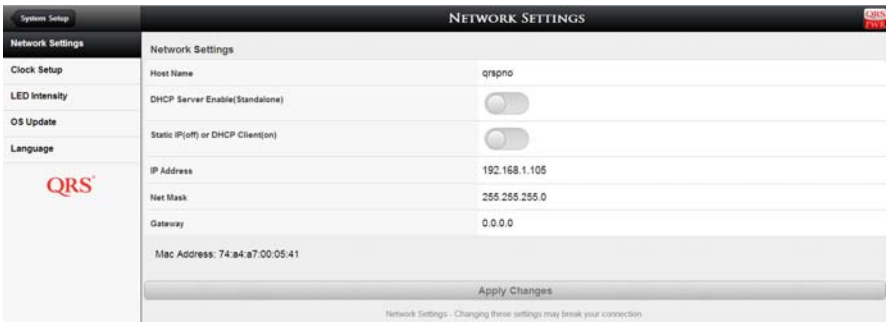
1. Set-up PMII in Network mode by sliding the "DHCP Server Enabled (Standalone)" button to the left, as shown below. *You can also use a QRS remote to make this change.*
2. Connect an Ethernet cable from PMII to you network.
   Or...Reset the Wi-Fi device to communicate with your wireless network.
   *See the Wi-Fi configuration settings section for details.*

Once in Network Mode you can set a static IP address by sliding the "DHCP Enabled" button to the left and manually entering the static IP Address.

**If you can't connect to your home network, switch back to Stand-Along mode.**
*See the "Wi-Fi Configuration section of this manual.*



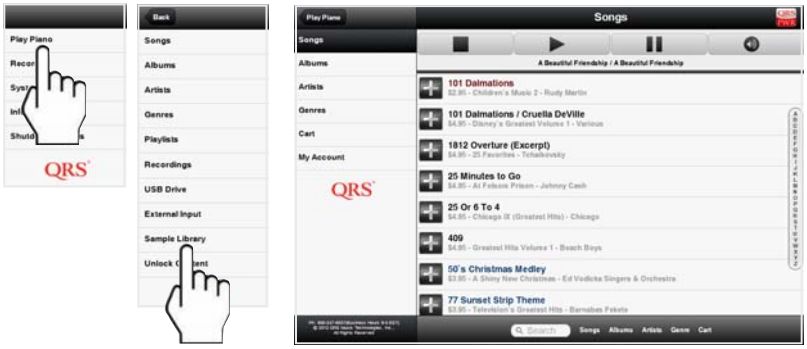



## Purchasing and Releasing Music…

**STOP PNOmation before attempting to purchase or releasing music.**

Selecting Music to Purchase **From The Sample Library**

Go to the Sample Library section to purchase more music.




*Notice the are plus signs next to the song titles to show that you are in the sample library.*

Selecting Individual Songs from the Entire List

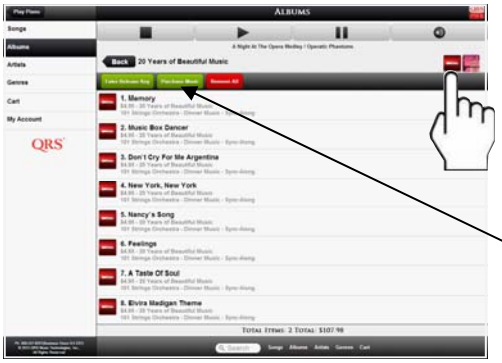
Selecting "Songs" will allow you to select from the entire QRS song list. Search or Scroll to find your song.
Pressing the "**+**" next to a **Song** title will add that song to the cart. Select as many songs as you wish.
See below to add an entire album or go to the cart if you are finished.

*Press the "-" sign to remove that song from the Cart or press the "Remove All" button to remove ALL selected songs from the Cart.*

Selecting an Entire Album or Songs from Specific Albums

When selecting Albums, Artists or Genres you must "drill-down" into an album that you wish to purchase.
First, go to Albums, Artists or Genres and find your album.
Second, select the album to view the songs on that album.

You can select individual songs from that album, as above or...
Press the "**+**" next to the image of **Album** at the upper right corner of the page.




*Instead of going to the Cart, you can just press the "Purchase Music" button to email your order. The steps are the same as the instructions that follow on the next page.*

When you have finished with your selections, go to the **Cart**.

## ...Purchasing and Releasing Music...

Ordering Music **From the Cart**

*You must establish a QRS account with a current Email address and Credit Card number for order processing.*

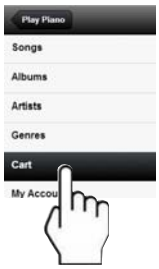
Go to the cart and check your order.

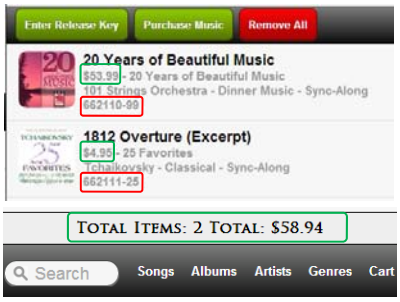
*Notice the individual Song or Album Price in the list and the total for the cart at the bottom of the screen.*

*Notice the QRS Catalog - Track Numbers*

*662110-99 [662100 = the album # and 99 indicates All Tracks]*

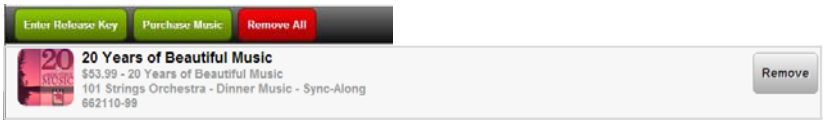
*662111-25 [Only Track #25 for album 662111]*




Remove a Song or Album from the Cart

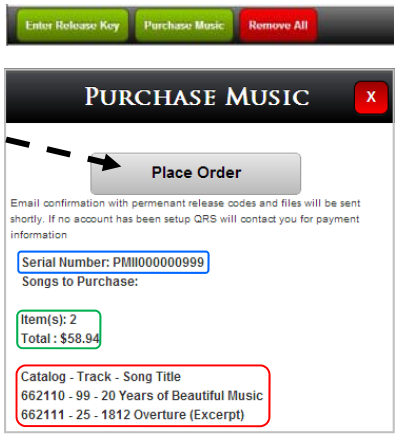
Select "Remove All" to delete the entire Cart or press the "Remove" button next to the individual Song or Album.




Place Order [Directly from PMII or By Calling QRS Music]

Press the Purchase Music from the Cart to open the Purchase Music screen.

If you're controlling PMII with a device that has an **Email account** then Press the "Place Order" button. This will place the order in your Outbox.
If PMII is in Network Mode the Email will be sent to QRS immediately.
If PMII is in Stand Alone Mode the Email will be sent to QRS the next time your device is connected to your home network and the Internet.




**To order by phone: Call 800-247-6557 with these Numbers:**

Serial Number: PMII followed by ten digits.

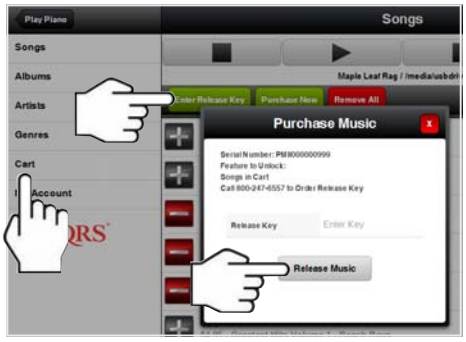
The Catalog-Track Numbers

**DO NOT change your Cart after placing the order!**

Releasing Purchased Music from the Cart

You will receive a "Release Key" number via Email once your order is processed at QRS. Usually within 48 hours.
Go to Play Piano / Sample Library / Cart
Press the "Enter Release Key" button.
Touch the "Enter Key" box to open your keypad.
Enter the 3 digit code you received from QRS.
Press the "Release Music" button.

The music will be added to your Play Piano lists.




Purchasing Music From a Playlist

You can purchase and release Playlists.
Follow the instructions use to purchase and release music from the Cart.

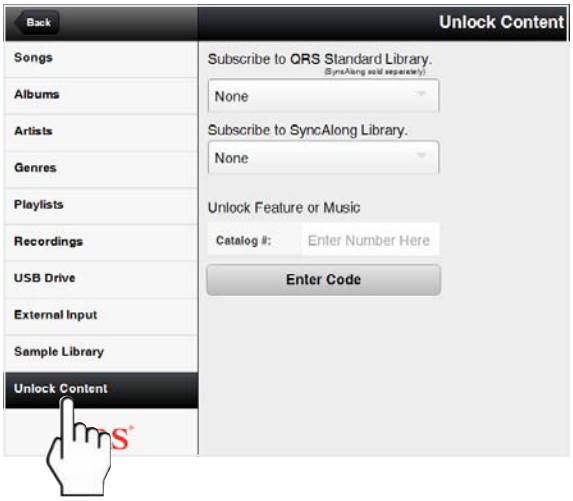
## ...Purchasing and Releasing Music

For smaller "phone" orders, ALBUMS ONLY, called in to QRS it is easier to use the Unlock Content page to release the music. After QRS processes your order you will receive an email or phone call with the "Release Key" needed to unlock the music from your order.

## Unlock Content

Unlocks Albums; QRS Music Packages and Special Features.

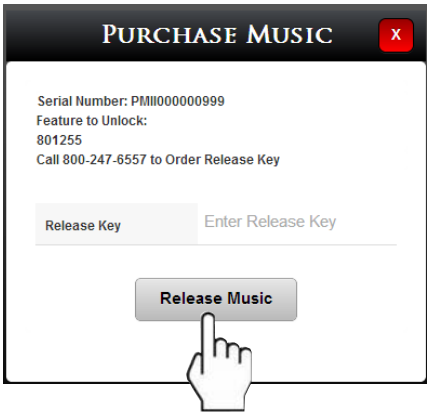
Go To: Play Piano / Unlock Content…




Enter the Catalog # "Enter Number Here"
Press the "Enter Code" button…

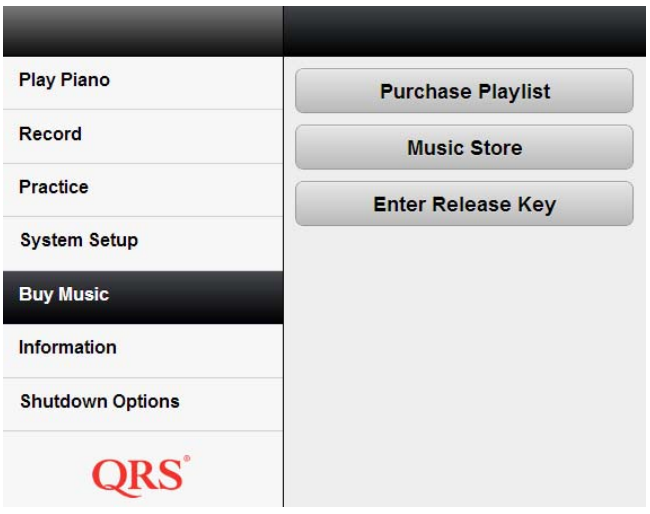
Enter the Release Key "Enter Release Key"
Press the "Release Music" Button.

Released music will be added to your song list.




## Buy Music

Go to the "Buy Music" page for shortcuts to the Playlists, Sample Library and Unlock Content pages.



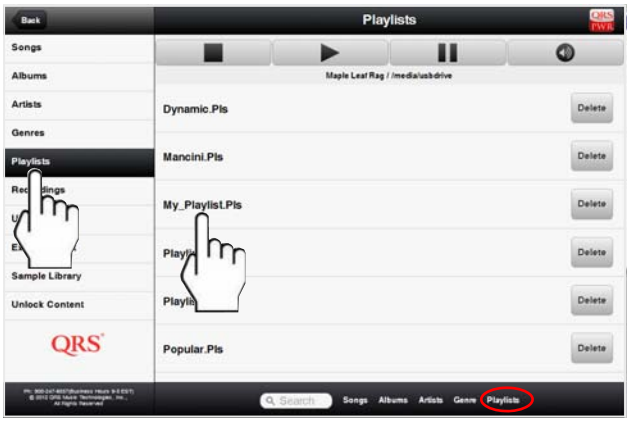

Playlists

Sample Library

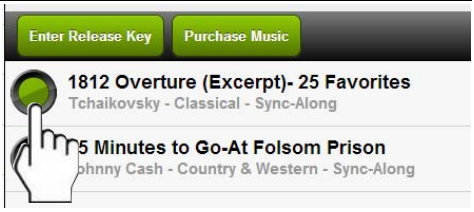
Unlock Content

| Playlists | |
|---|---|
| **Create** a Playlist: | |
| To create a playlist just touch the gray circle next to the song title. *The circle turns green.* | |
| You may continue to select songs for the playlist or... | |
| 1 | Press "**Quick Save**" to save you current selections with the default name (Playlist_#.Pls). |
| 2 | Press "**Save As**..." to save your playlist with the name you choose. |
| 3 | Press "**Save To**..." to save the song to an existing playlist. |
| 4 | Press the "**Clear**" button, before saving, to uncheck all of your current selections. |

| **Play** songs from a Playlist: |
|---|
| Press "Playlist" in the left or at the bottom of the page. |
| **Open** a playlist by touching the playlist name and make your song selection from the list. |

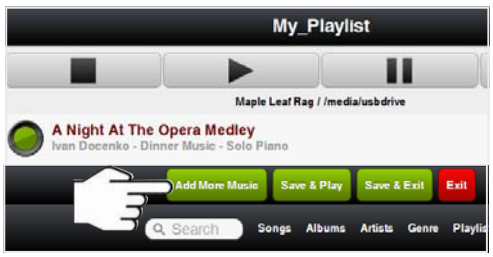



| To **Purchase Music** from the playlist |
|---|
| See "Purchasing and Releasing Music |



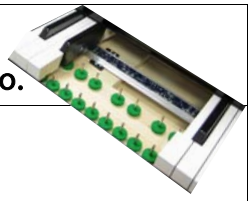

| To **Remove** a song from the playlist. |
|---|
| Press the green circle next to the song and Save. |

| **Add** songs to an existing Playlist: |
|---|
| Open a playlist and select Add More Music" |
| Make you music selection and press the "Quick Save" button. |



## Record a Song

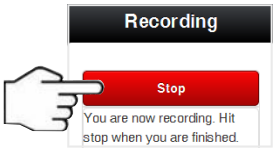
**The QRS PNOscan other record system must be installed on the piano.**



Select the Record option.
Press the Red Record button.

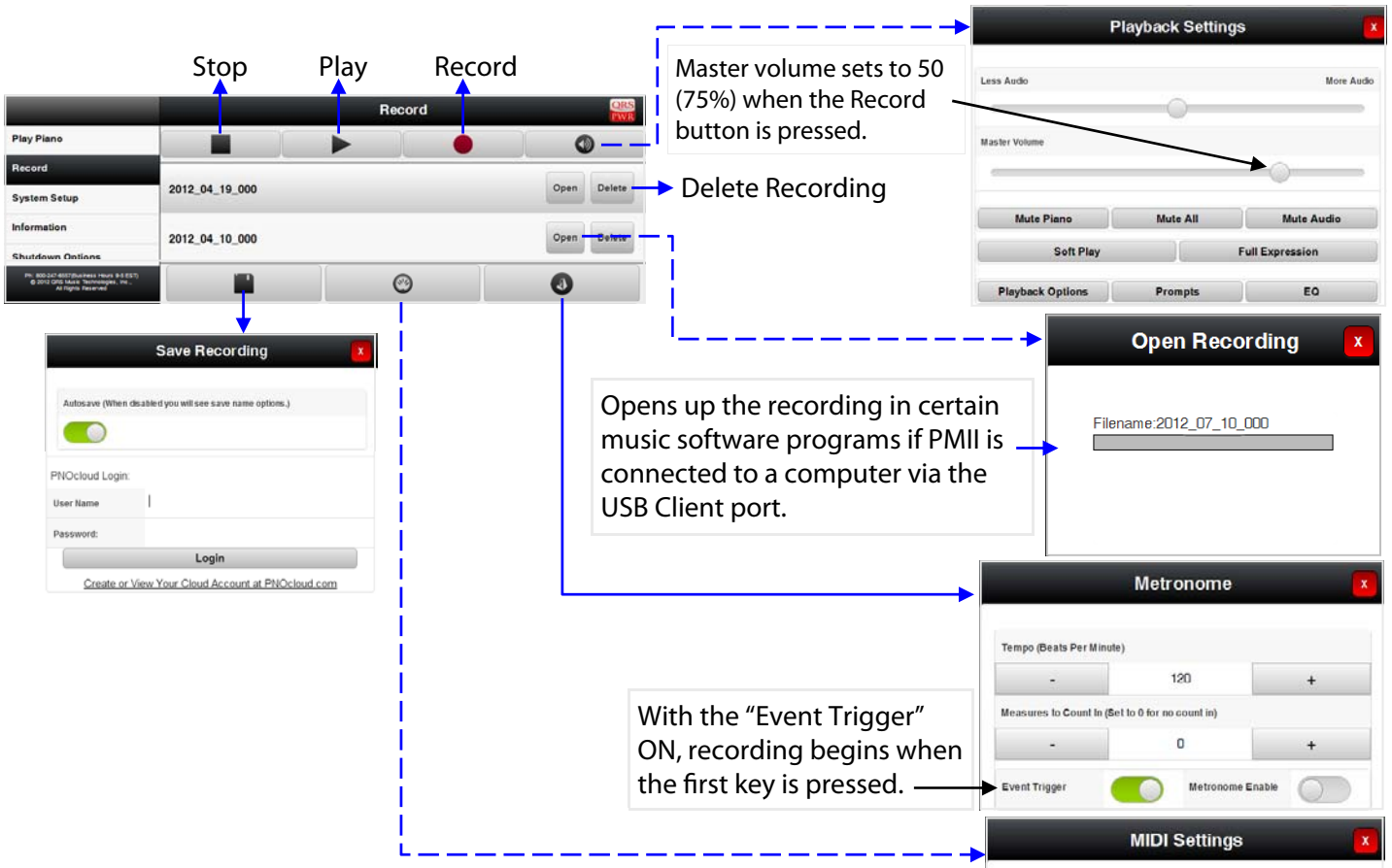
Begin playing the piano when the "Recording" box appears.

Press the "Stop" button when you are finished recording.




A new song will appear in the Record window.
Press the newly created file to play.

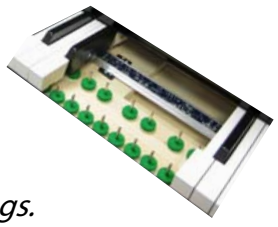
## Record Settings




| Record Source - Select which port you are recording from: | |
|---|---|
| PNOscan | The QRS PNOscan sensor strip under the piano keys. |
| MIDI Port | A MIDI device connected to the 5-Pin MIDI IN port. |
| USB MIDI | A computer w/software connected to the USB Client port. |

Turn OFF to keep PNOscan key information from exiting the 5-Pin MIDI OUT socket. Eliminates "Looping".

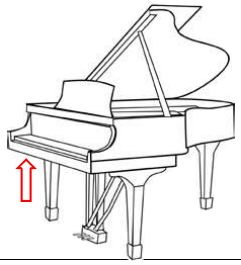
## Practice



**The QRS PNOscan or other record system must be installed on the piano.**
**The QRS "Stop Rail" should be installed for the Silent Practice to be effective.**
**Headphones are required to "Practice in Silence"**

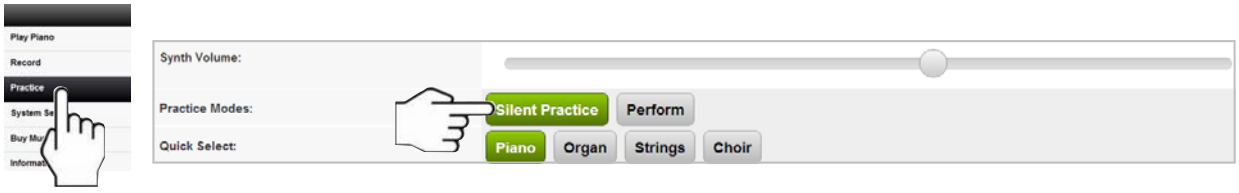
*The Stop Rail stops the piano hammers from striking the strings.*

Pull Lever to Engage the QRS Stop Rail to silence the acoustic piano.

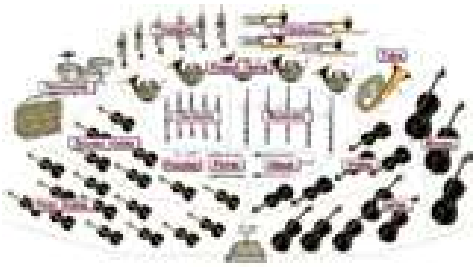


Plug Headphones to the PLx box.

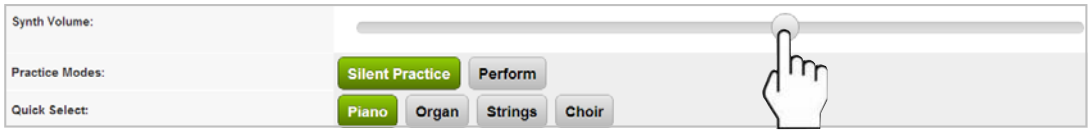
Select the "Practice" and then "Silent Practice". *Silent Practice Mutes the Speakers.*



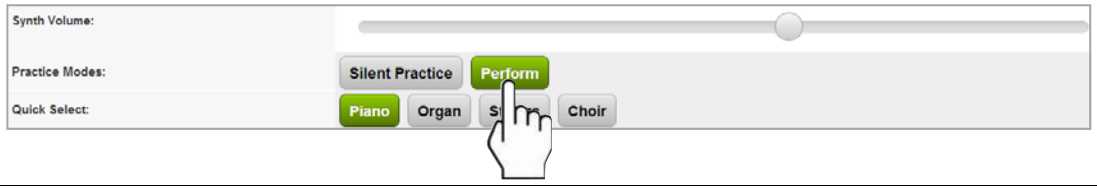

Select the Piano sound, or any other "Synth" sound in the list.



The sound that you chose will be heard through the headphones as you play the piano. Adjust the "Synth Volume" if necessary.



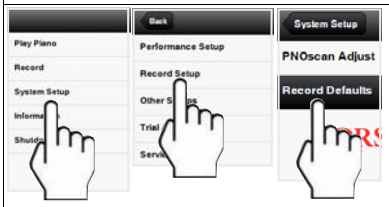

Select "Perform" to hear the "Synth" sound through the piano speaker instead of the headphones.



# User Guide

| PNOcloud | Saves your recordings to the Internet, access from anywhere<br>Requires a record system and PMII in Network Mode |
|---|---|
| **Setup** | **Create:** |
| 1 Select "Record" from the PMII Menu | 1 Select "Record" from the Record Menu |
| 2 Select the "Floppy Disc" Icon | 2 Select "Record" and Play |
| 3 Select "Create or View PNOcloud" account link | 3 Select "Stop" when finished recording |
| 4 Select "Sign Up" | 4 Select the "Floppy Disc" Icon and Log In |
| 5 Fill out the form… | 5 Select the PNOcloud button that appears |
| ...or just go to www.pnocloud.com directly | 6 Select "OK" at the confirmation window |
| | 7 Log In to PNOcloud to play the file from PC |

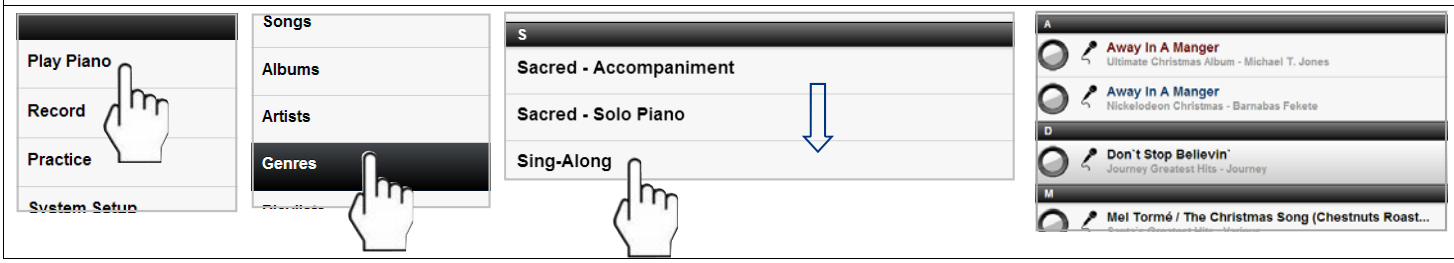
## Record Defaults



| | |
|---|---|
| Auto Save: | The recorded song is named automatically when saved. |
| Default Record Artist: | The user names the song when saved. |
| Hide Record Window: | Hides the Record option. |
| Source/PNOscan: | Select to record, to PMII, from the QRS PNOscan II record strip. |
| Source/MIDI Port(5-Pin): | Select to record, to PMII, from a MIDI device connected to the 5-Pin MIDI IN port. |
| Source/USB MIDI: | Select to record, to PMII, from a computer connected to the USB Client port. |
| Tempo: | Change the tempo of the recorded song. |
| Transpose: | Transpose the "Key Signature" of a recorded song. |
| Routing/PNOscan to 5-Pin MIDI: | The MIDI data from the QRS PNOscan II re cord strip is also sent to the 5-Pin MIDI Out port. |
| Routing/PNOscan to USB MIDI: | The MIDI data from the QRS PNOscan II re cord strip is also sent to the USB Client port. |
| Tempo/Beats Per Minute: | Record tempo |
| Lead-In Measures: | Empty measures counted before recording begins when Event Trigger is Off. |
| Event Trigger: | Recording does not begin until a key is pressed. |
| Metronome Enable: | An audible Click-Track is heard through the speakers. |
| Click Volume: | Sets the volume of the "Click-Track. |

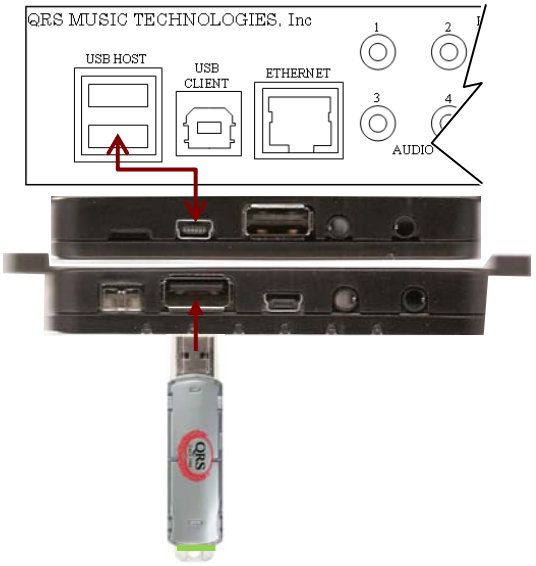
## Sing-Along

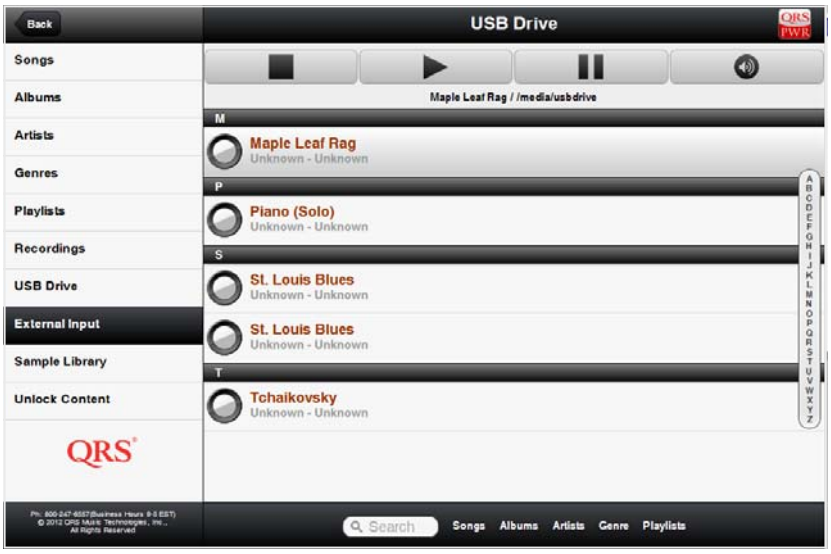
Select Play Piano / Genre / Sing-Along to sing along with the music.



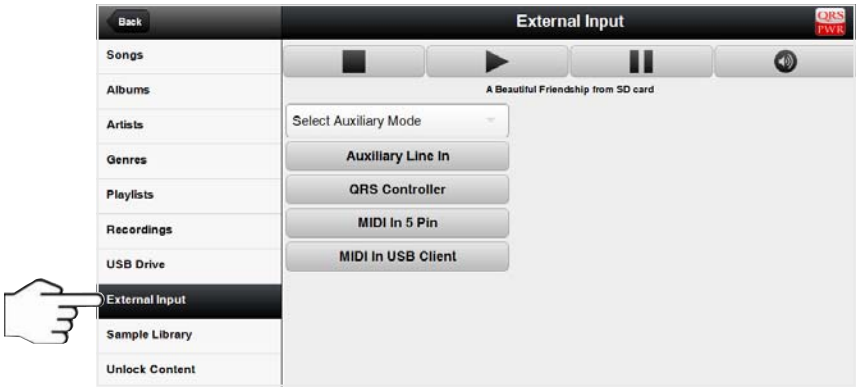
# User Guide

| USB Drive |
|---|
| Play MIDI or MP3 files from a USB Drive. |
| When a USB drive, with MIDI or MP3, is plugged into the USB port the source will change to USB Drive. |

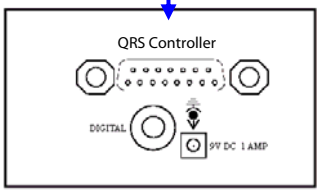


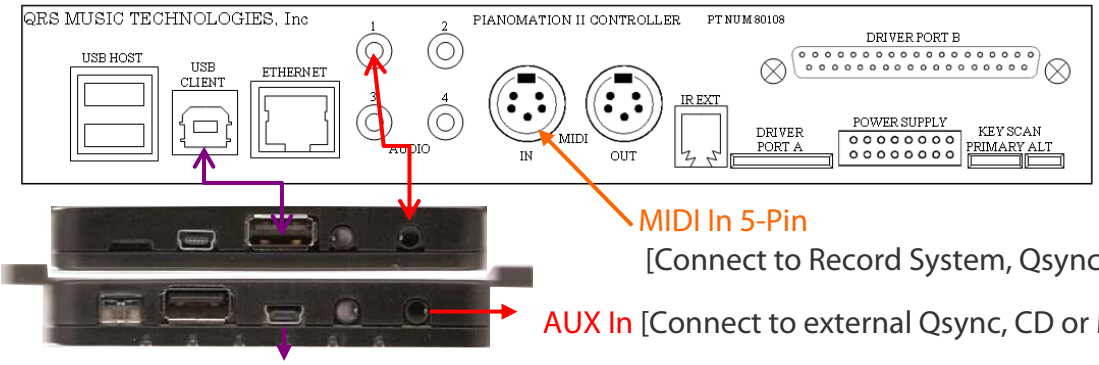




| External Inputs |
|---|
| Press External Input to play from one of the four external source options. |
| AUX Line In: Connect Qsync, your MP3 or CD player to the Audio jack #1. |
| QRS Controller: Connect your Ancho or Petine to the "QRS Controller" socket on the PMII chassis. |
| MIDI In 5-Pin: Connect your Record System, Qsync or other MIDI device to the MIDI In port of PMII. |
| MIDI In USB Client: Connect your Computer with MIDI software to the USB Client port of PMII. |




QRS Controllers:
CD2000
Petine
Ancho
Chili
Serenade Pro



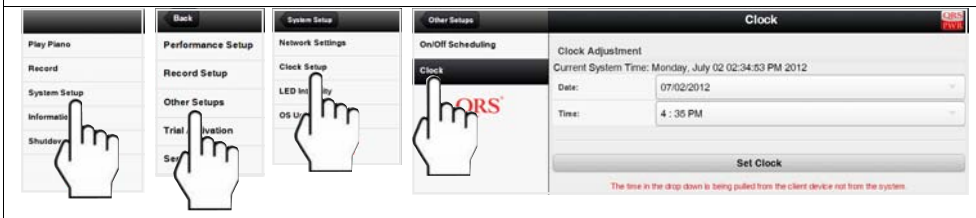

MIDI In 5-Pin
[Connect to Record System, Qsync or other MIDI device]

AUX In [Connect to external Qsync, CD or MP3 player]

MIDI In USB Client [Connect to computer]

## Clock

Set the PMII Clock




## PLx Light Intensity

LED Intensity: Controls the intensity of the lights in the Pin-Light Extension (PLx) box.

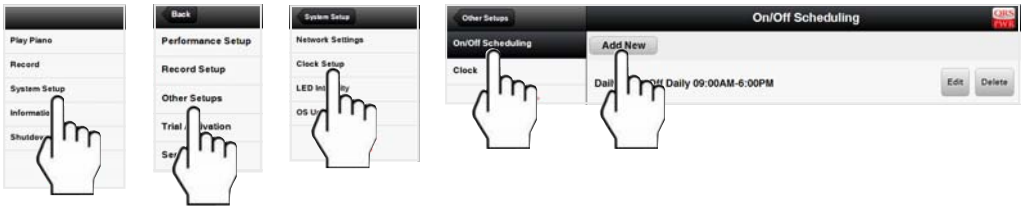
## Language

Select a language for the Menu and Voice Prompts:
Menu choices: English, Simplified Chinese, Dutch or French
Voice Prompt Choices: English, Simplified Chinese, Dutch

## ON/OFF Scheduling

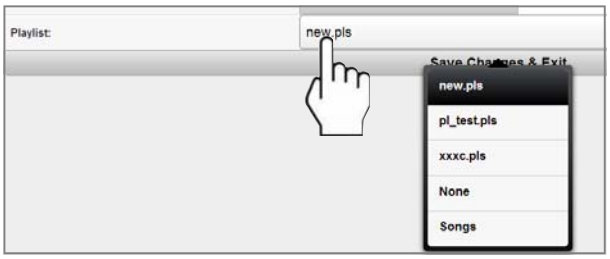
Schedule the piano to automatically play from a selected Playlist any day and time of the week.

Go to ON/OFF Scheduling and select "Add New"

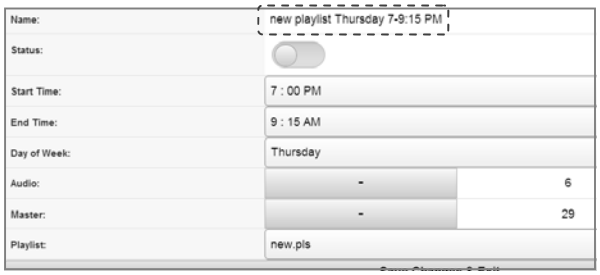



Select:
Start and End Times
Day of Week
Playlist or Songs

Select a Playlist or Songs

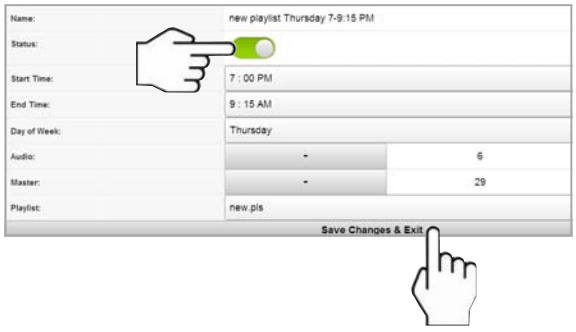



Name the Scheduled Event

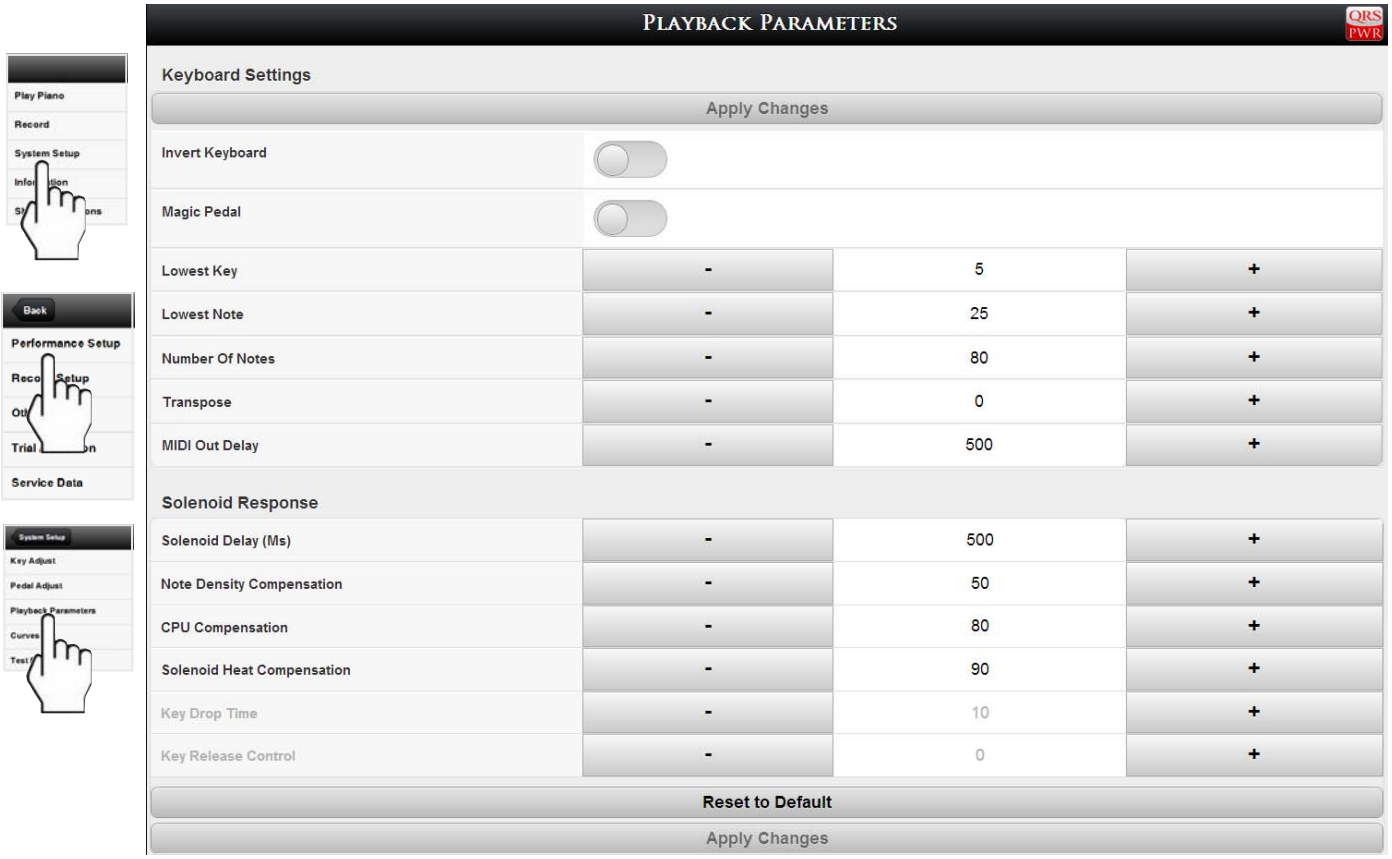



Activate the Scheduled Event

Save Changes & Exit



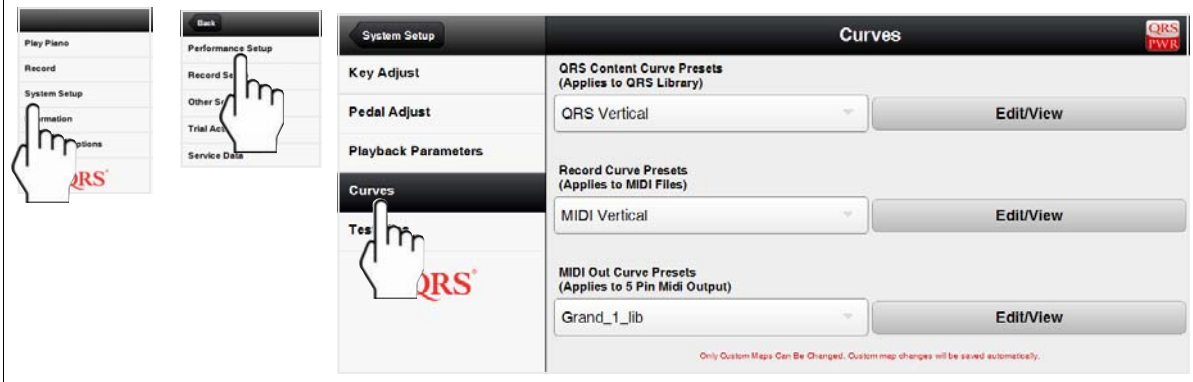
## Playback Parameters

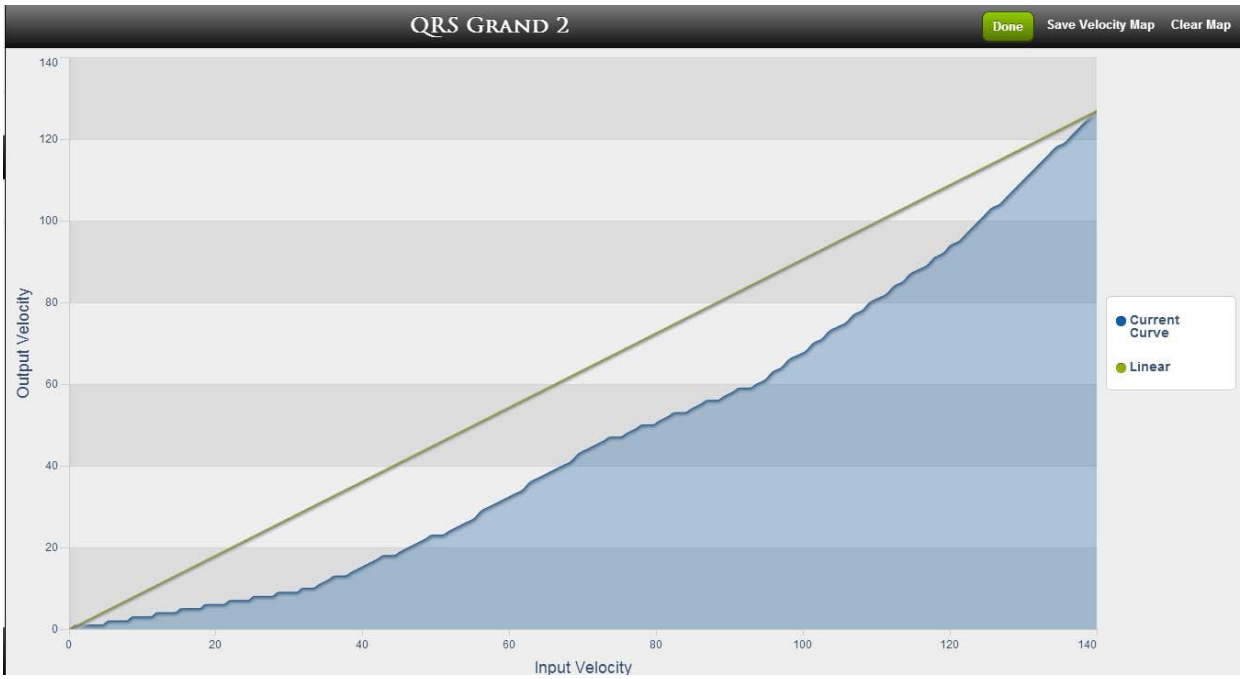



| |
|---|
| Invert Keyboard: *Shown OFF, for Grand's*<br>Reverses the direction of play, usually on, as shown, for upright pianos. |
| Magic Pedal: *Shown "OFF"* |
| Lowest Key: Set to 5 for 80 note systems and 1 for 88 note installations. |
| Lowest Note: Refers to MIDI.<br>Set to 25 for 80 note installations. |
| Transpose: Set to 0. |
| MIDI Out Delay: Sets the piano delay of the 5-Pin MIDI Out socket. Default = 500. |
| Solenoid Delay (Ms): Sets the piano delay to the driver boards. Default = 500. |
| All other settings are reserved for QRS system set-up and should not be changed by user. |
| Restore to Default: Resets all Playback Parameters to Factory settings |
| Apply Changes: Press to save any changes that were made. |

## Curves

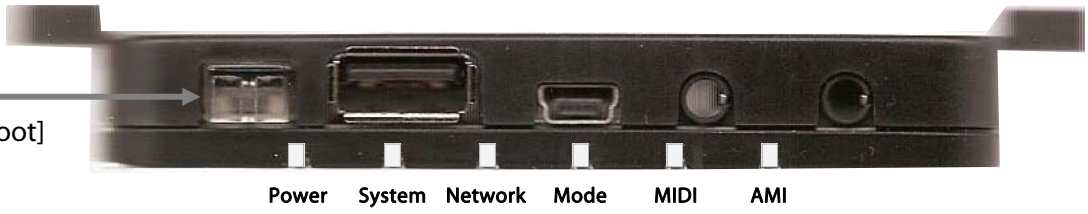
Tweak the Output Velocity as the Input Velocity increases.
Separate curves for Piano Playback, Record and 5-Pin MIDI OUT.



## Pin-Light Extension [PLx] Light Patterns

PLx Button [Play/Pause/Standby/Reboot] and IR Remote Sensor




| | | | |
|---|---|---|---|
| **Power**<br>*Power to Solenoids* | Green | Solid: Power Supply's Hi Light is ON [*Power to Solenoids and Speaker*]<br>Flashing: MIDI Data Detected - *Piano should be playing* | |
| | Yellow | Solid: Standby: PMII=ON, "Hi" Power=OFF waiting for ON command | |
| | Red | Solid: Key or Pedal Solenoid Over-Current Shut Down | |
| **System**<br>*Power to Electronics* | Green | Solid: Power Supply's "Lo" Power LED is ON, PLx initialized. | |
| | Yellow | Blinks with QRS Remote Control Activity | |
| **Network** | Green | Solid: Stand-Alone Mode [*PMII delivers 192.168.1.1 IP Address*] | |
| | Yellow | Solid: Network Mode [*PMII gets IP Address from Home Router*] | |
| | Red | Flashing - PMII is not getting an IP Address or not communicating with Wi-Fi | |
| **Mode**<br>Music Source | Green | Solid: | SD Card or USB Drive [*Active after song has been selected*] |
| | | 1 Blink: | No SD Card or USB Memory Drive Detected |
| | | 2 Blinks: | Record Source [*Active after song has been selected*] |
| | | 3 Blinks: | Test Files [*Active after song has been selected*] |
| | Yellow | 1 Blink: | External: Auxiliary Line In |
| | | Solid: | External: QRS Controller |
| | | 3 Blinks: | External: MIDI IN 5-Pin |
| | | 2 Blinks: | External: MIDI IN USB Client |
| **MIDI**<br>MIDI Data to Solenoids | Green | Solid: Keyscan/Primary 10-pin connection to PNOscan II (Record)<br>Flashing: MIDI traffic from record system | |
| | Red | Solid: No Keyscan/Primary 10-pin connection to PNOscan II (Record)<br>Flashing: 5-pin MIDI traffic | |
| **AMI** | Green | Solid: Decoding MIDI Data | |
| | Yellow | Solid: No MIDI Data detected<br>Flashing: Audio pass-thru [Including Voice Prompts] | |

## Pin-Light Extension [PLx] Button Functions

| | | |
|---|---|---|
| Play / Stop | When the 1st light is green…<br>...press to play the selected song.<br>...press again to stop playback. | |
| Standby | Press and Hold for 8 seconds…<br>...yellow lights will can left…<br>...release when just the 1st light is yellow. | |
| Reboot | Press and Hold for 15 seconds…<br>...yellow lights will scan left then right<br>...release when the 1st three lights are yellow. | |

| QRS Remote Control Functions |
|---|
| For most of you who use a wireless device, such as the iPad, to control PNOmation II the QRS Remote Control gets little use. The remote can be used to play the piano but, without a display it's impossible to pick a specific song from the extensive QRS Music Library. Although it could be used for systems without the built-in library of music. You could purchase individual albums on a USB memory drive and plug it into the USB port on the front of the piano. The system would announce "USB…" and you could press the Play button on the remote to play the album. |
| For systems in "Network Mode," there ARE a few reasons to have the remote: |
| SHIFT / 3 will announce the iP address |
| SHIFT / 9 / 9 / 0 will set the system to Stand Alone Mode |
| SHIFT / 9 / 9 / 1 will set the system to Network Mode |

| | |
|---|---|
| SD | Music Source |
| Demo | Future Option |
| PWR | Power ON/OFF |
| USB | Music Source |
| MIDI IN | Music Source |
| P LIST | Future Option |
| AUD UP / DN | Audio Volume - Offset |
| MSTR UP / DN | Master Volume<br>Adjusts Piano & Audio Levels |
| PNO UP / DN | Piano Volume - Offset |
| Numbers 0-9 | |
| ENTER | Future Option |
| ◄◄ | Previous Song |
| ► | Play Music |
| ►► | Next Song |
| ■ | Stop Music |
| II | Pause Music |
| REC | Record a Song |

| SHIFT | Press "SHIFT" and a button below. |
|---|---|
| RADIO | Future Option |
| TEST | Test Music Files |
| D OFF | Future Option |
| SPDIF | Future Option |
| AUX | Play Music from External Source at Audio Port #1 |
| ALIGN | Key Calibration |
| SET | Future Option |
| A | Future Option |
| DYN | Future Option |
| MUTE AUD | Mute Audio |
| B | Future Option |
| MUTE PNO | Mute Piano |
| ADD | Future Option |
| COPY | Future Option |
| INFO | Current IP Address |
| STAT | Future Option |
| PSET | Future Option |
| RESET | Future Option |
| FUNC | Use with SHIFT and Number Buttons for Special Features |
| PGM | Future Option |
| RAND | Future Option |
| VOICE | Future Option |
| PRAC | Future Option |

# PMII Upgrade Kit Installation Instructions

| 81525 | PMII Upgrade Kit | | **Package Contents** |
|---|---|---|---|
| | 80108 | | PNOmation II Processor Assembly |
| | | 80108A | 1 PMII Processor Only |
| | | 990026 | 1 Cable: Speaker [1/8" stereo plug to two RCA] |
| | | 70213 | 1 Cable [6" - RCA M Plug - 2 RCA F Jacks] |
| | | 80109 | 2 Mounting brackets [New - Metal] |
| | | 37322 | 4 Screws: Mounting |
| | 79226 | | SD Card with the QRS Music Library |
| | 80124 | | PLx - Pin-Light Port Extender Package |
| | | 8012406 | 1 PLx Unit: Lights, IR Sensor; Stereo & USB Ports; Microphone; Button |
| | | 50126 | 2 Cable: USB A Male to USB 5-Pin Mini B [1 for computer connection to PMII] |
| | | 50128 | 2 Cable: Audio [1/8" Male to 1/8" Male] 6.5' |
| | | 50141 | 1 Cable: USB Male A to USB Male B |
| | | 790185B | 1 Cable: 72" Six-Pin Ribbon [Black] |
| | | 50145 | 2 Adapter [1/8"] |
| | | 35271 | 4 Screw |
| | 79232 | | Portable Wireless Assembly TP-Link TL-WR702N |
| | | | Universal USB power adapter (Out: +5V/1A, In:100V~120V) |
| | | | Cable: USB |
| | | | Cable: RJ45 Ethernet |
| | | 50074 | Velcro Strip [Use to attach Wi-Fi to beam or back post] |
| | 70204 | | 5 Cable Ties |
| | 30403 | | 1 Screw Driver [Right-Angled Phillips #2 to remove old processor] |
| | 70208 | | 3 Clamp [Wave Shaped Ribbon] |
| | 70585 | | 3 Screws for Clamp [6x1/2"] |
| | 30409 | | 1 Screw Driver [Snub-Nosed Phillips] |
| | 70152 | | 1 Cable: 10' MIDI |
| | 7921706 | | 1 Cable: 10-Pin [Use with 10-Pin Coupler to extend PNOscan cable to PMII] |
| | 8152503 | | 1 Coupler: 10-Pin |
| | 81525i | | 1 PMII Upgrade Instructions |

| 81529 | PMII MIDI Upgrade Kit | | Package Contents |
|---|---|---|---|
| | 81525 | | PMII Upgrade Kit - See above |
| | 8152905 | | PMII Upgrade Kit to PMII MIDI Upgrade Kit Conversion |
| | | 70166 | 2 Adapter: MIDI Barrel Connector |
| | | 990026 | Cable: Speaker [1/8" stereo plug to two RCA] |
| | | 8152511 | **Power Adapter** [Power supply for PMII after 0813] [ 8152501 for older PMII] |
| | | 2007116 | 2 Cable: 6' MIDI |
| | | 73398 | PMII Big Button Remote |
| | | 70388 | 4 AAA Batteries |

# PMII MIDI Kit Installation Instructions - 81529

**Test before mounting and always connect power to PMII last!** The PNOmation II processor can be used as a MIDI file player to control other player piano systems. Except for the power adapter and MIDI cable the 81529 PMII MIDI kit connects the same as the 81525 PMII Upgrade for QRS player systems.

1] **Follow the numbered steps below and connect the components.**

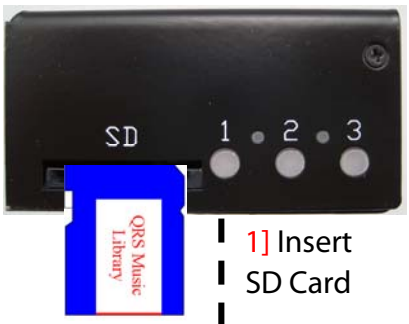
2] If installed, connect the record system to PMII. *See the next page for details.*

3] See the "Wirelessly Connect…" Section of this guide and connect to the system.

4] Perform the "*MIDI Out Key Adjust / MIDI Kit #81529*" procedures in the next section.

5] **Mount Components** to the piano

## Connecting to PianoDisc




1] Insert SD Card

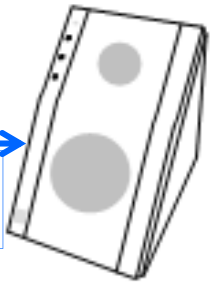
2] Connect PLx Ribbon Cable to KEYSCAN ALT

3] Connect TP-Link Ethernet Cable

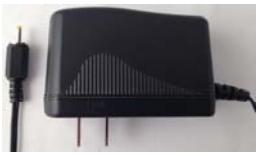
4] Audio #3 to Speaker System

5] Connect MIDI

Amplified Speaker



Mixed Audio to Speaker



PMII Power Adapter 9 Volts DC 1200mA Center Positive

6] Connect TP-Link to AC Power

From Audio Out of PianoDisc

To the MIDI IN of PianoDisc, Disklavier or LX System

7] Connect Speaker to AC Power

PianoDisc Rail

**LAST STEP** Connect PMII's AC/DC Power Adapter

# PMII MIDI Kit Installation Instructions - 81529

## Connecting Record Systems to PMII

PNOmation II can record, internally, from the following ports:

KEYSCAN PRIMARY [Only from the QRS PNOscan II System] Set PMII Record Source to PNOscan.

5-Pin MIDI IN [Any device that send MIDI] Set PMII Record Source to MIDI Port (5-Pin).

USB Client [Computer sending MIDI via a USB port] Set Record Source to USB MIDI.

From Computer

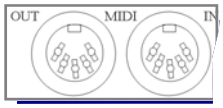
PNOscan II is built into PMII and you have two options:

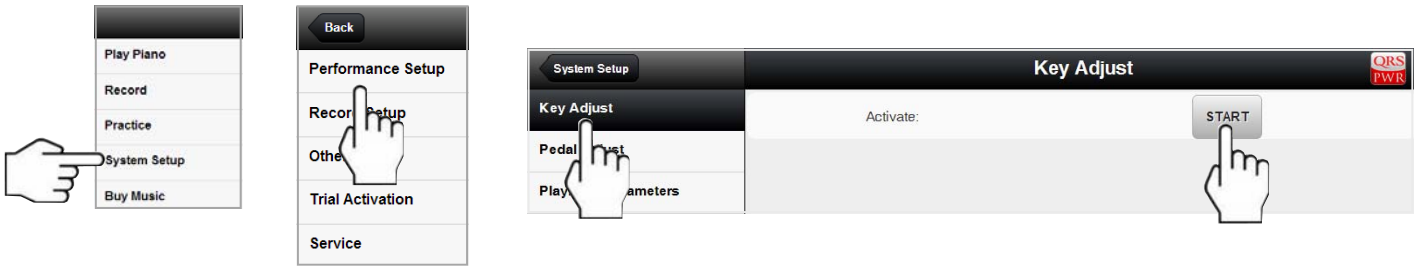
1] Unplug the 10-Pin Primary Port cable from PNOscan II and reconnect it to the KEYSCAN PRIMARY port on PMII. *Discard the PNOscan box shown below.*

2] Connect a MIDI cable from the MIDI OUT of PNOscan II to the MIDI IN of PMII and keep the blue PNOscan box.

Connect the MIDI OUT from the Record System to the MIDI IN on PMII.

Select the MDI Port (5-Pin) Record Source on PMII.



| MIDI Out Key Adjust / MIDI Kit #81529 |
|---|
| This procedure is used when the PMII MIDI Kit #81529 is connected to a piano with a non-QRS player system. In these installations the only connection from the PMII processor to the piano is via the 5-Pin MIDI Out socket. PMII MIDI Out to the MIDI In of the other player system. |
| *The non-QRS player system attached to the piano must be in good working order and the key force settings adjusted. The following "Midi Out Min Vel:" key adjustments cannot soften the volume of the keys softer than the player system's key force settings.* |
| The key adjustment sets the minimum force for each key.<br>There is no "save" button. Your changes are automatically saved to memory. |
| Press "System Setup", Performance Setup" and then "Key Adjust" |
|  |
| Piano key #5 should begin to repeat. |
| *The Legato and Staccato adjustments are only used with QRS player systems.* |

Touch one of the "-" buttons in the "Midi Out Min Vel" row so that "Less & "More" appear.

Turn "Global" ON and set the "Midi Out Min Vel" force to 1. Turn "Global" OFF.

Readjust the "Midi Out Min Vel" force level for each key. Adjust so each key plays as softly as possible.

The "Midi Out Min Vel:" adjustments will NOT display if the "Invert Keyboard" switch is ON.

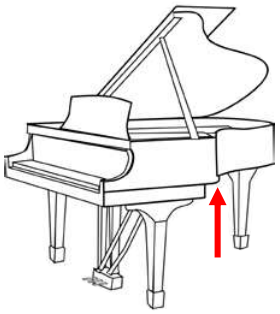
| | |
|---|---|
| <- 5 -> | Previous Key / Key Number / Next Key |
| Less 44 More | MIDI Out Min Vel: Adjust so key plays as softly as possible. |
| xtnd-> | "Extend": Sets the Force value "displayed" to all notes upscale. |
| Global | Clicking "More" or "Less" increases or decreases the force for **ALL** Keys. |
| | Entering a number in the force box sets the Key Force value entered to **ALL** Keys. |
| << >> | Chromatic Scale: Down/Up. Use as a final test. |
| EXIT | Please press the EXIT button when finished. Otherwise the note will continue to play. |

## 1 Remove the Existing Pianomation Processor

Turn OFF the player system and unplug the AC power cord from the wall outlet.

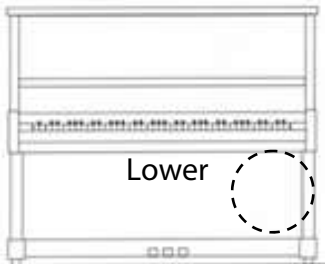
Locate the Pianomation processor. It's within a foot of the power supply.
*The power supply is a black box the size of a loaf of bread.*

- GRAND - the processor is mounted to a beam under the soundboard area.



The cables from these two processor types will connect directly to PMII

- UPRIGHT - remove the lower panel to gain access to the power supply.




Flip the ON/OFF switch on the power supply to the OFF position.

Current Style

Old Style

Disconnect all of the cables from the old Pianomation processor.

- TO POWER SUPPLY
- TO CD/USER INTERFACE *[To User Box]*
- TO SOLENOID RAIL *[To Driver Boards] This ribbon cable may be held in by two small screws.*

***Older processors, part # 70100 - circa 1992-1997, use a different type of "To Driver Boards" connector needed to connect the new processor to the driver boards located at the solenoid rail.***
*If you have the processor type shown below you must replace the cable.* **Order part # 811433**

Remove the old Pianomation processor and brackets from the piano by removing the 4 screws.

Disconnect all cables and **Remove the old Controller** from the piano.

| 2 | Mount and Connect the New PMII Processor |
|---|---|

Mounting the new PNOmation II processor to the piano.

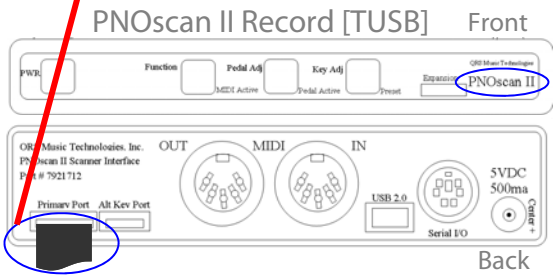
When upgrading a current system, place the new processor in the same location as the original.
On a new system installation with record, place the processor in a location where all of the cables will reach:
Driver Port B - To Driver Boards
Power Supply
Keyscan Primary - To the record system's Soft-Shift circuit board.
Position it so that the connectors are easily accessible.
The mounting brackets are attached to the processor when shipped.
Secure the new PMII processor to the piano with the screws provided.

Mounting Brackets

Connect these cables to the new PNOmation II processor.

- "DRIVER Port B" This is the 1-1/2" flat gray cable going to the driver boards
- "POWER SUPPLY" This is the 3/4" flat gray cable going to the power supply
- "KEYSCAN PRIMARY" - QRS PNOscan Record Systems Only -
  *White flat cable coming from the record system's Soft-Shift circuit board and it may be connected into the PNOscan II interface under the piano keybed. If so, disconnect it from the PNOscan interface. Front and rear views of this PNOscan II unit is shown at the bottom of this page.*

The TUSB control box for the PNOscan II record system, shown here, is not needed with the new PNOmation II system. If you're upgrading an existing QRS Pianomation system with PNOscan II record, disconnect the flat white cable (black on newer units) from the Primary Port and plug it into the Pianomation II Controller's Keyscan Primary port. The silver "contact" side of the cable faces away from the word "Primary".



# PMII Upgrade Kit Installation Instructions - 81525

| 3 | Mount and Connect the Pin-Light Extension - PLx |
|---|---|

The Pin-Light Extension serves several functions:

- Six lights will display valuable information about your system.
- The built-in IR Sensor will allow you to use your existing QRS Remote to control PMII.
- USB A- USB Mini B & 1/8" stereo jacks extend the ports from PMII to an accessible position on the piano.
- The button is for Play / Stop / Standby and Reset.

Mount the PLx unit under the keybed at the treble side of the piano.

Connect one end of the 6-pin flat ribbon cable to the PMII's "ALT" port. *The black side of the cable faces the word "ALT"*

Connect the other end of the 6-pin flat ribbon cable to the PLx connector. Connect so t*he black side faces the ceiling.*

Connect the USB A Male cable to one of the USB Host sockets on the PMII. — *PMII Updates & Music Source*

Connect the other end of the cable, USB 5-Pin Mini B, to back of the PLx.

Connect the USB B Male cable to the "USB Client" port o the PMII. — Computer

Connect the other end of this cable, USB A Male, to the back of the PLx.

Connect one end of a 1/8" audio cable to the PMII's Audio #1 socket. — Audio #1

Connect the other end [Use Adapter] to the last 1/8" socket of the PLx. *PMII External [AUX Line Input] Source.* — AUX Line In

Connect to home stereo system. Mixes Synth Piano with Audio. — Audio #2

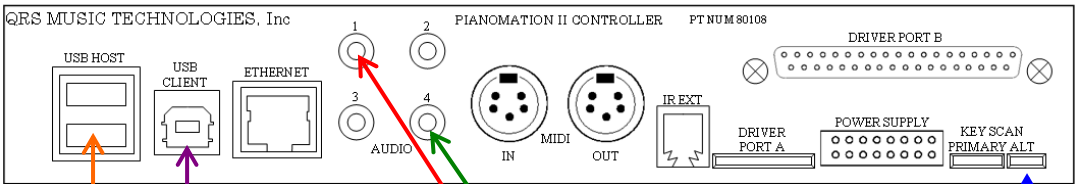
NOT YET Functional [As of Driver Version 3.91] — Mixed Output

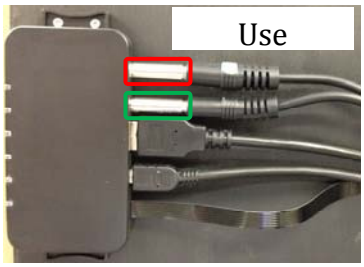
Main Audio Output — Audio #3

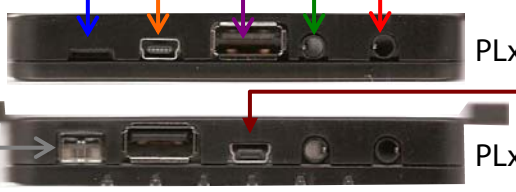
QRS Speaker

Connect one end of a 1/8" audio cable to the PMII's Audio #4 socket. — *Audio #4*

Connect the other end [Use Adapter] to the remaining 1/8" socket of the PLx. — *Headphone*



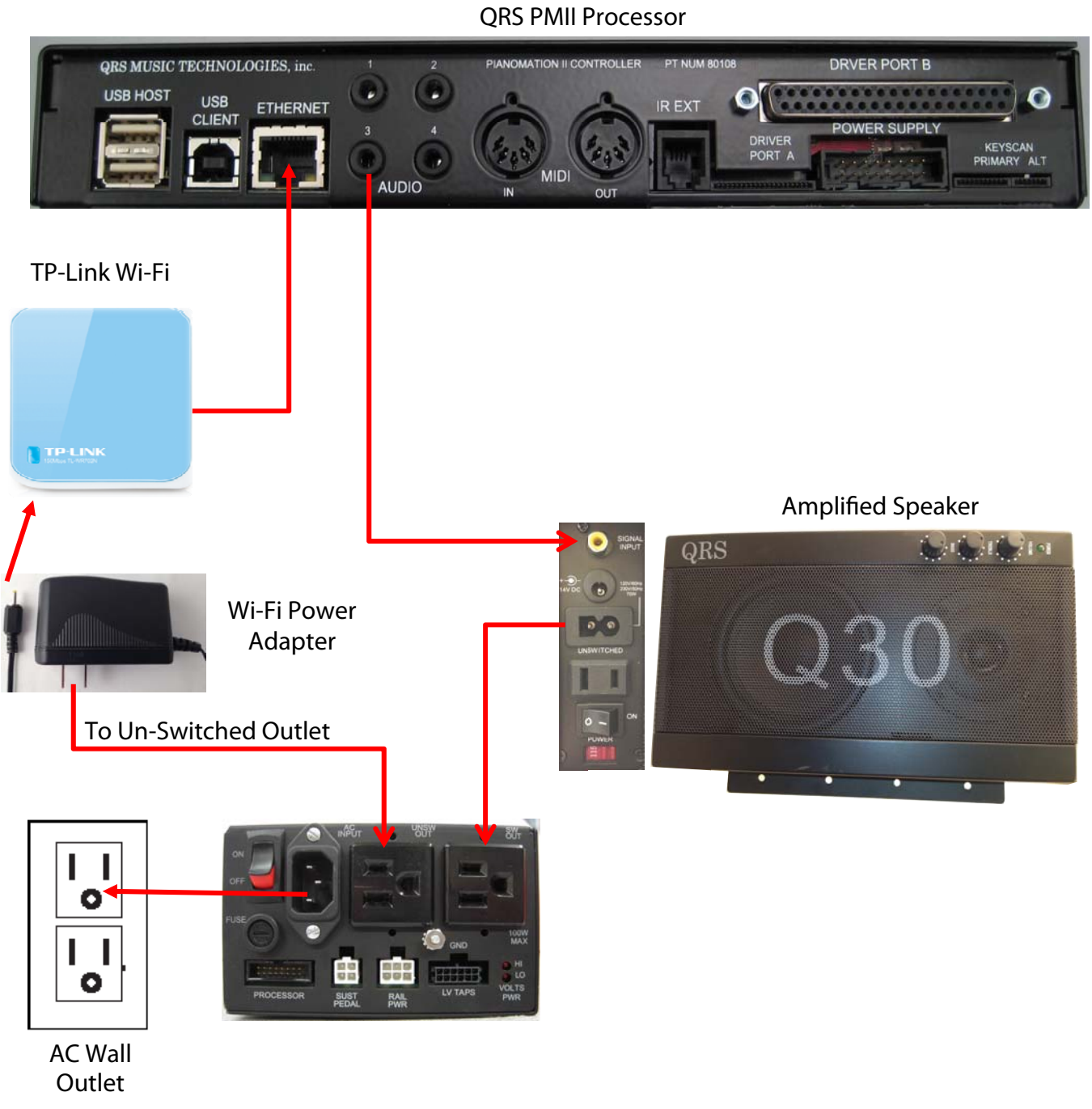




An additional USB A to USB Mini B cable is provided for user to connect to computer for recording purposes. *A record system is required.*

ON/Standby Button
Play / Stop / Reset

Lights: Power/System/Network/Mode/MIDI/AMI

| 4 | Mount and Connect the Wi-Fi Adapter and Speaker |
|---|---|
| Connect the Ethernet cable from the Wi-Fi device to the Ethernet port on the PMII processor. | |
| Connect the Wi-Fi Power Adapter to the **Un-Switched** outlet on the power supply. | |
| Using the Velcro strip supplied, attach the wireless unit to the piano . | |
| Connect your powered speaker to Audio #3 jack. *Use the 1/8" stereo-to-RCA cable provided.* | |
| Plug the AC power cord into the AC wall outlet. | |
| Turn the power supply switch ON. | |
| The system will power on... | |



## 5 Verify Operation - Wirelessly Connect to PMII and Power ON

Check the status of the system by looking at the lights on the PLx box.

If all of the lights are off, the power is probably disconnected

Plug the AC power cord into a wall outlet and flip ON Power Supply switch.

When the piano is plugged into the AC wall outlet….
The lights will scan while the operating system loads and the music is indexed.

Stand By - #1 light is yellow.

No power to move the keys and the speaker is off.

Low Voltage Power - #2 light must be green for the system to operate.

If it's yellow the system has shut down and you must recycle the power.

Stand Alone Mode- #3 light is green.

All units are shipped from the QRS factory in "Stand Alone" mode.

If #3 light is yellow, and the #2 is green, the system is in Network Mode use a QRS remote to change to Stand-Alone.

Press the following buttons in sequence…
SHIFT FUNC 9 9 0
The third light should be green.
Press SHIFT INFO to confirm the 192.168.1.1 address.

Connecting into PMII - Two Steps

1

Wirelessly connect your device to the piano's Wi-Fi Adapter.

<u>iPod Touch / iPhone / iPad</u>
Go to Settings / Wi-Fi
Select "QRSPNO ####"

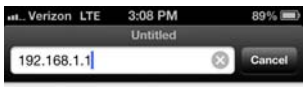
<u>Computer</u> [*Windows 7 example shown*]
Click on your Wireless Network Connection Icon.
Select "QRSPNO ####"

<u>Android</u>
Go to Settings / Wireless Networks / Wi-Fi
Connect to "QRSPNO ####"

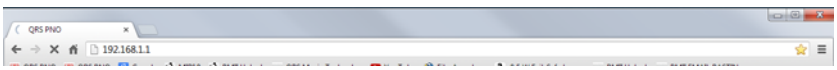
2

Enter <u>192.168.1.1</u> or <u>qrspno.local</u> in the address box of your browser window, then refresh the browser.

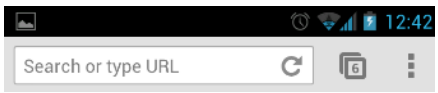
<u>iPod Touch / iPhone / iPad</u>
Safari




<u>Computer</u>
Use Google Chrome



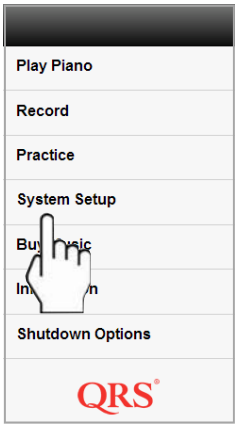

<u>Android</u>

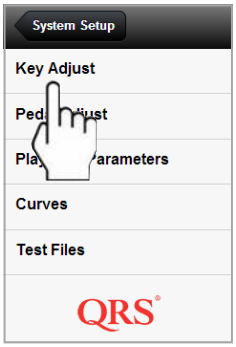



Press the "Power ON" button.

# Performance Setup

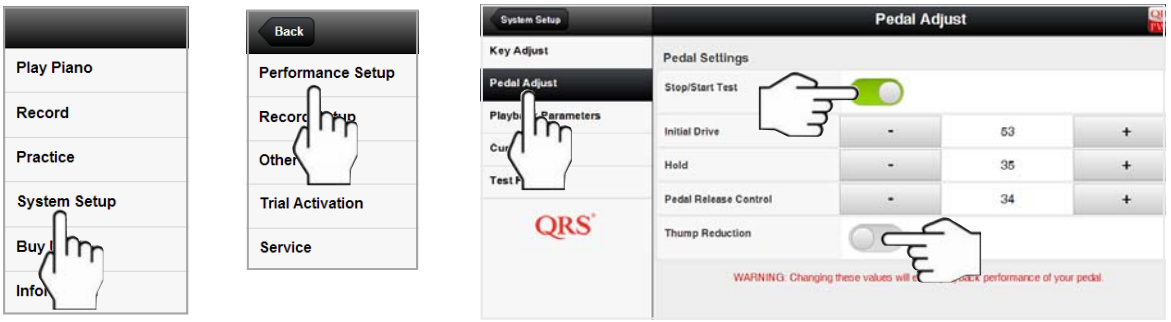
| 6 | Key Adjust |
|---|---|
| If this is a MIDI Upgrade Kit go to the "MIDI Out Key Adjust" page.<br>*The "MIDI" kits (81529) do not have a cable connected to the PMII "DRIVER PORT B" socket.* | |
| The key adjustment sets the minimum force for each key.<br>There is no "save" button. Your changes are automatically saved to memory. | |
| Press "System Setup", Performance Setup", "Key Adjust" and then "Start". | |

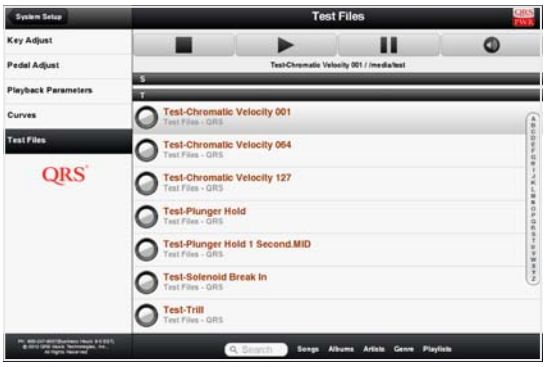




| |
|---|
| Piano key #5 should begin to repeat. [*Key #1 for 88 note systems*] |
| You must adjust the Legato AND Staccato Force levels for each key. |
| **Set the Legato adjustment first.** |

| | |
|---|---|
| <- 5 -> | Previous Key / Key Number / Next Key |
| Less 44 More | Key "Force": Legato & Staccato. Adjust so key plays as softly as possible. |
| xtnd-> | "Extend": Sets the Force value "displayed" to all notes upscale. |
| Global | Clicking "More" or "Less" increases or decreases the force for **ALL** Keys. |
| | Entering a number in the force box sets the Key Force value entered to **ALL** Keys. |
| << >> | Chromatic Scale: Down/Up. Use as a final test. |
| EXIT | Please press the EXIT button when finished. Otherwise the note will continue to play. |

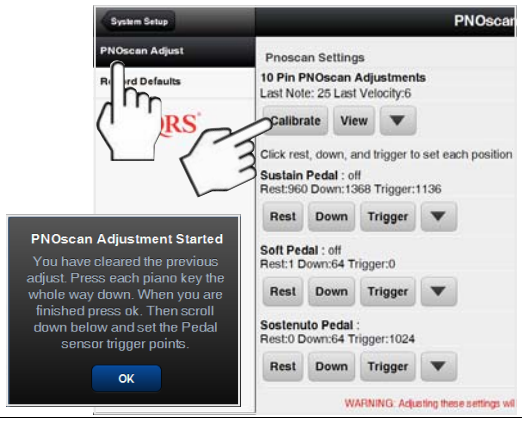
| 7 | Pedal Adjust |
|---|---|
| *This procedure is not necessary on systems that do not have a sustain pedal solenoid, usually on uprights .* | |
| Press “System Setup”, Performance, “Pedal Adjust” and slide the “Start/Stop Test” button to the right.   | |
| The sustain pedal solenoid and the sustain dampers should start to cycle ON and OFF. | |
| Turn OFF the “Thump Reduction” by sliding the button to the left. | |
| Press the “-” buttons to set the “Initial Drive” and “Hold” values to zero. | |
| Watch the sustain dampers and press the Initial Drive’s “+” button until the dampers move off the strings. | |
| Then, press the Hold “+” button until the dampers lift up and hold off of the strings. | |
| Turn ON the “Thump Reduction” to pulse the solenoid as it’s release to break it’s fall and reduce noise. | |
| Adjust the release up and down until the solenoid drops quietly. | |
| Stop the adjustment by sliding the “Start/Stop Test” button to the left. | |

| 8 | Test Files |
|---|---|
| Press “System Setup”, Performance Setup, “Test Files” | |
| Select “PedalKeySync.MID to test your pedal adjustment. | |
| Check out other test files.   | |

| 9 | PNOscan Adjust |
|---|---|

The following adjustments are necessary after the initial PNOscan installation or when the system isn't recording properly.

Select System Setup, Record Setup and then PNOscan Adjust.

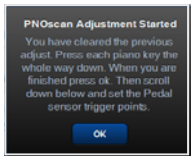



Press the Calibrate button.
The "PNOscan Adjustment Started" box will appear.
*At this point the previous calibration has been cleared.*

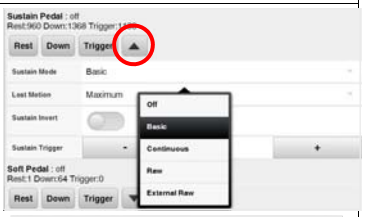
To calibrate the PNOscan key sensors you're going to play each key, in sequence, starting at the bass end of the keyboard. Watch the MIDI light on the PLx box and press the first bass-end key.

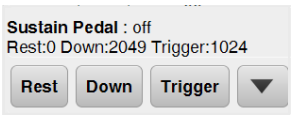
The light will flicker red indicating that the key is set.
Release the key and proceed up the keyboard.
Move to the next key when the PLx light flashes.

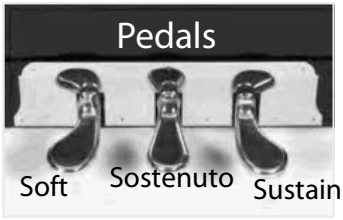
Press OK when finished.



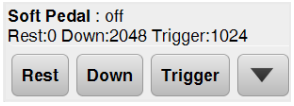
Adjust the Sustain Pedal.
Click the arrow to the right of the Trigger button.
Verify that the Sustain Mode is Basic.
*Wait for changes in the Rest, Down and Trigger values as you make adjustments.*
Press the Rest button.
Depress the sustain pedal and press the Down button.
Release the pedal and depress until the strings sustain.
Hold the pedal and press the Trigger button.



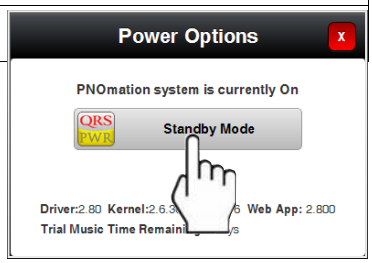

Adjust the Soft Pedal.
Follow the same procedures above with the soft pedal.




No adjustments are necessary for the Sostenuto pedal.

The PNOscan adjustments are complete.
Continue to the User Guide on the next page.

Always put the system in Standby Mode when you are finished for the day.



# Wi-Fi Configurations

**Please update PMII to the latest Driver version before switching modes.**

*See the "Updating the Driver "Operating System" [OS Update]" section of this manual for details.*

| | | |
|---|---|---|
| Both PMII AND the Wi-Fi device must be programmed to switch modes. | | |
| Stand Alone | No connection to the Internet, wirelessly connect to the TP-Link (SSID = QRSPNO) and PM II delivers control on Google Chrome, or Safari, at the IP Address of 192.168.1.1. PM II and the users Wi-Fi device communicate only with each other. | |
| | #3 Light = Green | |
| Network | The wi-fi device is programmed to connect to the users home network. PM II gets IP Address from the local router. The advantage is that the Wi-Fi control device can be connected to the Internet and still control PM II. | |
| | #3 Light = Yellow | |

| | | |
|---|---|---|
| TP - Link WR702N | **Do NOT press the reset button on the TP-Link** | |
| 79232 | Stand Alone to **Network** Mode **The TP-Link will NOT connect to a 5GHz home router** | Windows 7 & Google Chrome |
| | | iPad; iPhone; iPod/Touch & Safari |
| | Network to **Stand Alone** Mode | Windows 7 & Google Chrome |
| | | iPad; iPhone; iPod/Touch & Safari |
| | Stand Alone Mode after a TP-Link Reset | Windows 7 & Google Chrome |
| | | iPad; iPhone; iPod/Touch & Safari |
| EnGenius ETR9330 | Stand Alone Mode: | Windows 7 & Google Chrome |
| 79224 | Network Mode: | |
| ASUS WL330N3G | Stand Alone Mode | |
| 79224 | Network Mode | |
| ASUS WL330gE | Stand Alone Mode | |
| 79224 | Network Mode | |
| TRENDnet | Stand Alone ONLY | |

| **Android Device** |
|---|
| Settings / Wireless Networks / Wi-Fi Settings / Connect to "QRSPNO" |
| Press the more button and select Advanced. |
| Select "Use Static IP" and enter the same numbers as for Apple products above. |

# Wi-Fi Configurations

## How to Configure the TP-Link: "Stand Alone" to "Network" Mode [Windows 7 Google Chrome Example]

Change to Network Mode: Connect to PMII and *Go to...*
System Setup/ Other Settings / Network Settings
*Turn OFF* DHCP Server Enable (Standalone)
*Turn ON Static IP(off)* or DHCP Client(on)
*Press* the Apply Changes Button
*Press* Yes to confirm and *Press* Yes again.
You will be Disconnected form PMII

From a QRS Remote Control
SHIFT FUNC 9 9 1
#3 PLx light = solid yellow

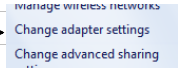
Set a Static IP on your computer

A *Left-Click* on the network signal strength indicator

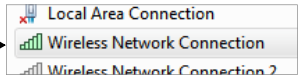
B *Connect* to the QRSPNO Stand Alone

C *Left-Click* on the network signal strength indicator
*Select* Open Network and Sharing Center

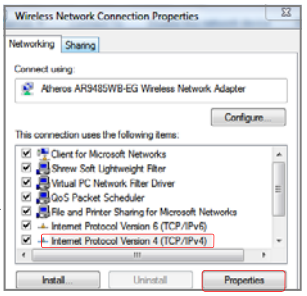
D *Select* Change Adapter Settings



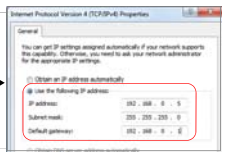
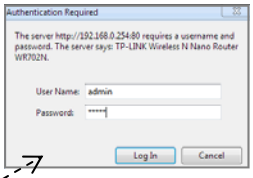

E *Right-Click* over active Wireless Network Connection
*Select* Properties



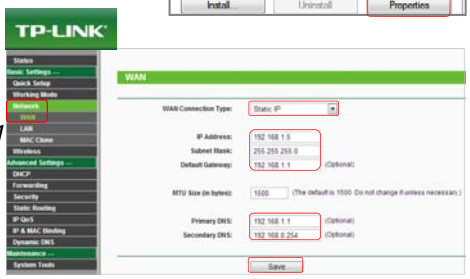

F *Select* Internet Protocol Version 4 (TCP/IPv4)
*Select* Properties




G *Select* Use the following IP address and enter:
IP address = 192.168.0.5
Subnet mask = 255.255.255.0
Gateway = 192.168.0.1
*Press* the OK button, wait... and Close all windows


*Open* Google Chrome and navigate to 192.168.0.254
*Enter* admin as the User Name and Password
*Press* the Log In button to open the "TP-Link" Menu




*Select* the WAN option below "Network"

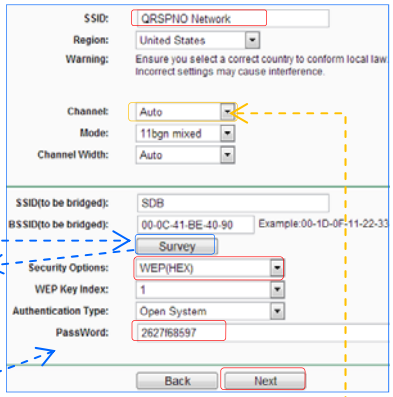
If unavailable continue to Quick Save below...

*Enter* the following:
WAN Connection Type = Static IP
IP address = 192.168.1.5
Subnet mask = 255.255.255.0
Default Gateway = 192.168.1.1
Primary DNS = 192.168.1.1
Secondary DNS = 192.168.0.254
*Click* Save

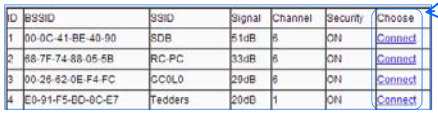
*Click* Quick Setup and then *Click* Next

*Select* Bridge Mode and then *Click* Next

*Click* the Survey button

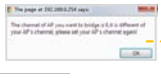



*Click* Connect for the SSID of the network you wish to join




*Change* the SSID to QRSPNO Network
Set Channel to Auto
*Select* Security Options WEP or WPA to match your network
*Enter* your network Password in the "Password" box
*Click* Next

If prompted, *change* the channel to the one provided
*Press* OK
*Click* Next

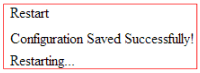


*Select* Disable Security
*Click* Next

*Click* Reboot
*Click* OK

Restart - Wait for the TP-Link to finish and restart
*Close* Google Chrome when 100% Complete

This dialog may indicate a connection problem. If you can't connect, repeat the process and check your Password.




C *Left-Click* on the network signal strength indicator
*Select* Open Network and Sharing Center

D *Select* Change Adapter Settings

E *Right-Click* over the Wireless Network Connection
*Select* Properties

F *Select* Internet Protocol Version 4 (TCP/IPv4)
*Select* Properties

G *Select* Obtain an IP address automatically
*Press* the OK button, wait a few seconds
*Close* all windows

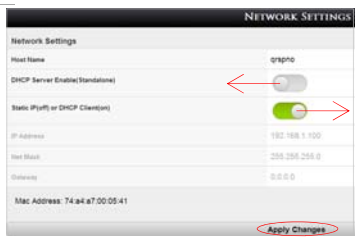
Connect to your home network
PLx light # 3 should be YELLOW.
The TP-Link is now linked to your home network and ready for "Network Mode" on the PMII.
If you did not hear the IP address press SHIFT and then INFO on the QRS remote control.
Open Safari or Google Chrome and enter the IP address heard from the speaker.

# Wi-Fi Configurations

## How to Configure the TP-Link: "Stand Alone" to "Network" Mode [iPad & Safari Example]

*Change* PMI to Network Mode

From an iPod/Touch, iPhone or iPad *Go to...*
System Setup/ Other Settings / Network Settings
*Turn OFF* DHCP Server Enable (Standalone)
*Turn ON Static IP(off)* or DHCP Client(on)
*Press* the Apply Changes Button
*Press* Yes to confirm
*Press* Yes again.



or

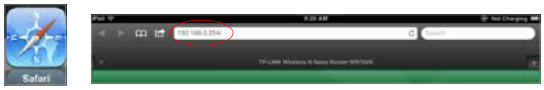
From a QRS Remote Control
Press the following buttons in sequence…
SHIFT FUNC 9 9 1
Third light flashes red/green and then solid yellow

You will be Disconnected form PMII

Set a Static IP Address on your iTouch, iPhone or iPad
*Select* Settings and then Wi-Fi, *Turn ON if necessary*
*Select and Connect* to QRSPNO Stand Alone

*Select* the Blue Circle to the right of QRSPNO Network
*Select* Static
*Enter* the following:
IP address = 192.168.0.5
Subnet mask = 255.255.255.0
Router = 192.168.0.254
DNS = 192.168.0.254
*HTTP Proxy* should be OFF
Go back to your home screen…

Select the Safari browser
Enter the following address:
192.168.0.254 and press "Go"




Enter admin as the User Name and Password
*Press* Log In

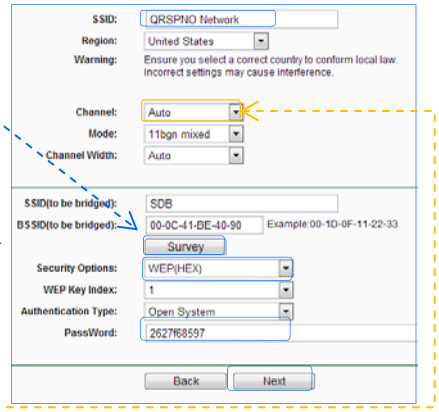
*Press* Quick Setup
*Press* Next

*Press* Bridge Mode
*Press* Next

*Press* the Survey button

*Click* Connect next to the network that you wish to join

| ID | BSSID | SSID | Signal | Channel | Security | Choose |
|---|---|---|---|---|---|---|
| 1 | 00-0C-41-BE-40-90 | SDB | 51dB | 6 | ON | Connect |
| 2 | 68-7F-74-88-05-0B | RC-PC | 33dB | 6 | ON | Connect |
| 3 | 00-26-62-0E-F4-FC | GC0L0 | 29dB | 6 | ON | Connect |

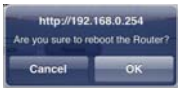



*Change the SSID* to QRSPNO Network
Set Channel to Auto
*Select* the Security Option type of your home network
*Enter* your Network Password
*Click* Next

You may be asked to change the channel
Note Channel #
*Press* OK and *Change* the Channel
*Press* OK and then *click* Next

*Select* Disable Security
*Click* Next

*Click* Reboot
*Click* OK to confirm



The TP-Link is now linked to your home network and ready for "Network Mode" on the PMII.
If you did not hear the IP address *press* SHIFT and then INFO on the QRS remote control.
You may have to reboot PMII by unplugging from AC power and reconnecting.

Open Safari enter the IP address heard from the speaker.

# Wi-Fi Configurations

## How to Configure the TP-Link: "Network" to "Stand Alone" Mode [Windows 7 & Google Chrome Example]

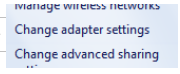
Set a Static IP on your computer

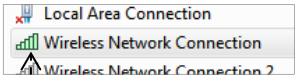
A *Left-Click* on the network signal strength indicator

B *Connect* to the QRSPNO Network

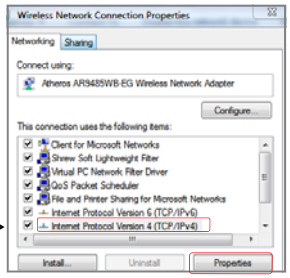
C *Left-Click* on the network signal strength indicator
*Select* Open Network and Sharing Center

D *Select* Change Adapter Settings

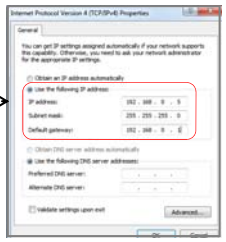



E *Right-Click* over active Wireless Network Connection
*Select* Properties

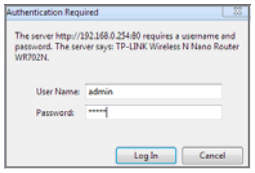



F *Select* Internet Protocol Version 4 (TCP/IPv4)
*Select* Properties



G *Select* Use the following IP address and enter:
IP address = 192.168.0.5
Subnet mask = 255.255.255.0
Gateway = 192.168.0.1
*Press* the OK button, wait and Close all windows

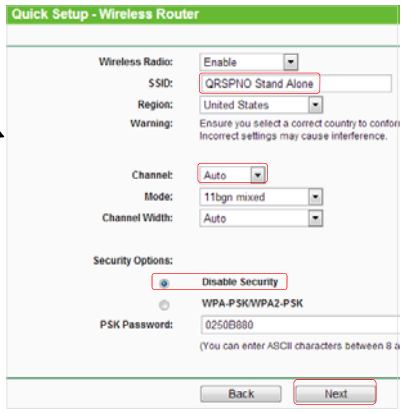
*Open* Google Chrome and navigate to 192.168.0.254
*Enter* admin as the User Name and Password
*Press* the Log In button




*Click* Quick Setup
*Click* Next

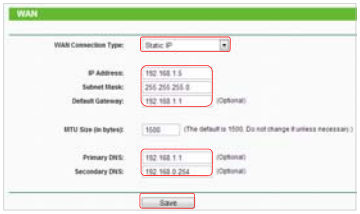
*Select* Router Mode
*Click* Next

*Change* the SSID to QRSPNO Stand Alone
Set Channel to Auto
Under Security Options: *Select* Disable Security
*Click* Next

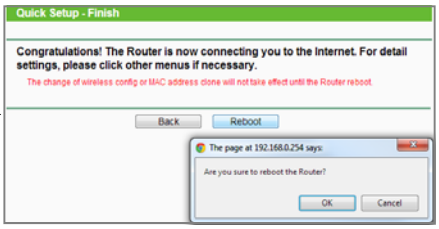



*Under* WAN Connection Type *select* Static IP
Click "Next"

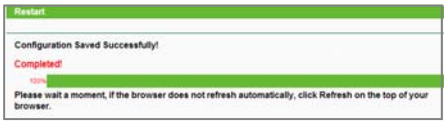
*Enter* the following:
WAN Connection Type = Static IP
IP address = 192.168.1.5
Subnet mask = 255.255.255.0
Default Gateway = 192.168.1.1
Primary DNS = 192.168.1.1
Secondary DNS = 192.168.0.254
*Click Next or* Save




*Click* Reboot
*Click* OK




Restart - Wait for the TP-Link to finish and restart
*Close* Google Chrome when 100% Complete




On the QRS PNOmation II remote control:
Press the following buttons in sequence:
SHIFT FUNC 9 9 0 - The third light should be green.
*Press SHIFT INFO to Confirm the IP address.*

C *Left-Click* on the network signal strength indicator
*Select* Open Network and Sharing Center

D *Select* Change Adapter Settings

E *Right-Click* over the Wireless Network Connection
*Select* Properties

F *Select* Internet Protocol Version 4 (TCP/IPv4)
*Select* Properties

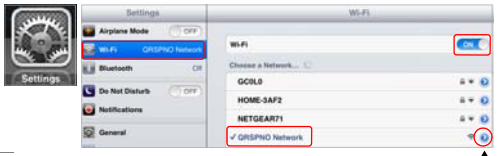
G *Select* Obtain an IP address automatically
*Press* the OK button, wait a few seconds
*Close* all windows

The device is ready for Stand-Alone Mode on the PMII
*Connect* to the QRSPNO Stand Alone
*Open* Google Chrome and Navigate to 192.168.1.1

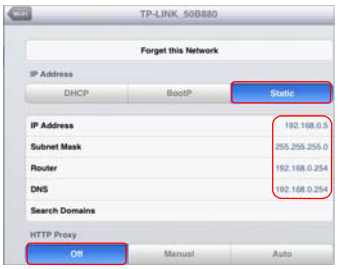
# Wi-Fi Configurations

## How to Configure the TP-Link: "Network" to "Stand Alone" Mode [iPad & Safari Example]

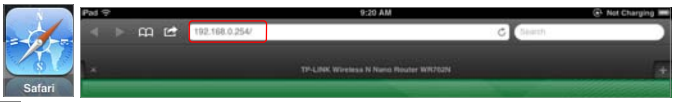
Set a Static IP Address on your iTouch, iPhone or iPad
*Select* Settings and then Wi-Fi. *Turn ON if necessary*
*Select* and *connect* to QRSPNO Network




*Select* the Blue Circle to the right of QRSPNO Network
*Select* Static
*Enter* the following:
IP address = 192.168.0.5
Subnet mask = 255.255.255.0
Router = 192.168.0.254
DNS = 192.168.0.254
*HTTP Proxy* should be OFF
Go back to your home screen…




Select the Safari browser
Enter the following address:
192.168.0.254 and press "Go"

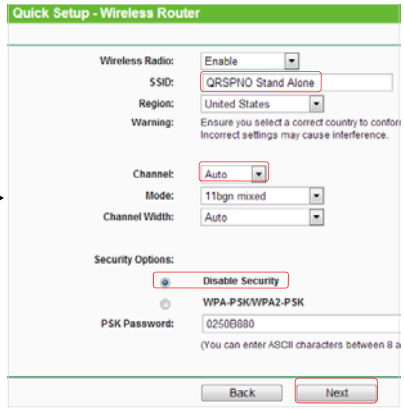



Enter "admin" as the User Name and Password
Press the "Log In" button

*Click* Quick Setup
*Click* Next

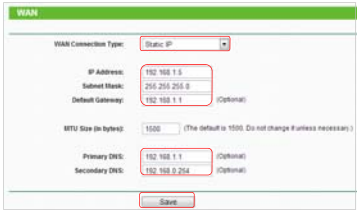
*Select* Router Mode
*Click* Next

*Change* the SSID to QRSPNO Stand Alone
Set Channel to Auto
Under Security Options: *Select* Disable Security
*Click* Next




*Under* WAN Connection Type *select* Static IP
Click "Next"

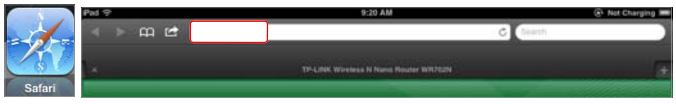
*Enter* the following:
WAN Connection Type = Static IP
IP address = 192.168.1.5
Subnet mask = 255.255.255.0
Default Gateway = 192.168.1.1
Primary DNS = 192.168.1.1
Secondary DNS = 192.168.0.254
*Click* Next *or* Save




*Click* Reboot
*Click* OK
Restart - Wait for the TP-Link to finish and restart
*Close* browser when 100% complete

On the QRS PNOmation II remote control:
*Press* the following buttons in sequence…
SHIFT FUNC 9 9 0
The third light should be green
Press SHIFT INFO to confirm the 192.168.1.1 address

The device is now ready for "Stand-Alone Mode" on the PMII.
*Select* Settings and then Wi-Fi on your iPad, iPhone or iTouch.
*Select* and *Connect* to QRSPNO Stand Alone
*Open Safari* and enter 192.168.1.1



# Wi-Fi Configurations

## How to Recover the TP-Link: to "Stand Alone" after a TP-Link Reset [Windows 7 Google Chrome Example]

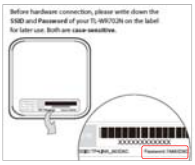
*The TP-Link has been pre-programmed by QRS so it's not necessary to reset it. But, if the SSID name shown on the back of the TP-Link appears in your wireless network connection list, it's been reset. To reset the TP-Link, press and hold the "Reset" button on the side of the TP-Link for 8 seconds, or until the light blinks at lease 3 times.*

Set a Static IP on your computer

A *Left-Click* on the network signal strength indicator

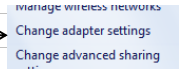
B *Connect* to the TP-LINK
*TP-LINK_9A4203 in our example*

You may be asked for the password on the back of the TP-Link
*Enter* the Password from the back or the TP-Link
*Press* the Log In button

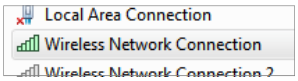


C *Left-Click* on the network signal strength indicator
*Select* Open Network and Sharing Center

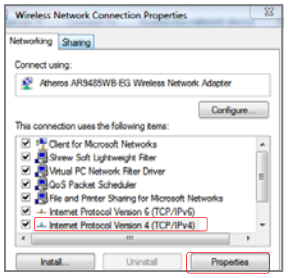
D *Select* Change Adapter Settings



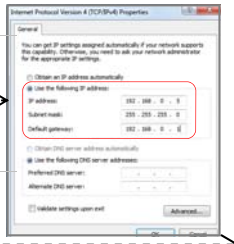

E *Right-Click* over active Wireless Network Connection
*Select* Properties



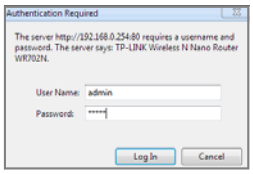

F *Select* Internet Protocol Version 4 (TCP/IPv4)
*Select* Properties




G *Select* Use the following IP address and enter:
IP address = 192.168.0.5
Subnet mask = 255.255.255.0
Gateway = 192.168.0.1
*Press* the OK button, wait and Close all windows



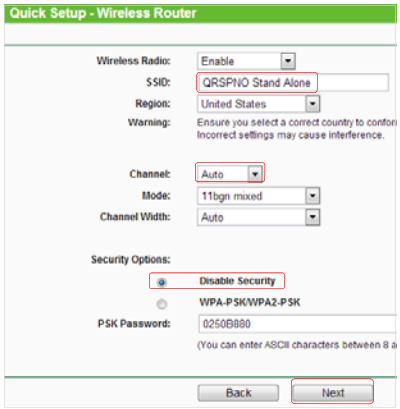

*Open* Google Chrome and navigate to 192.168.0.254
*Enter* admin as the User Name and Password
*Press* the Log In button



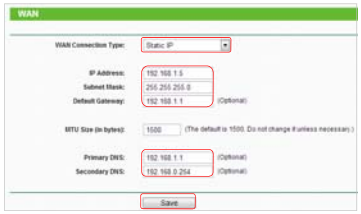

*Click* Quick Setup
*Click* Next

*Select* Router Mode
*Click* Next

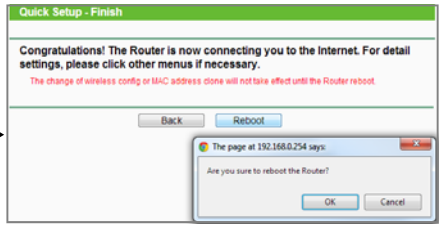
*Change* the SSID to QRSPNO Stand Alone
Set Channel to Auto
Under Security Options: *Select* Disable Security
*Click* Next




*Under* WAN Connection Type *select* Static IP
Click "Next"

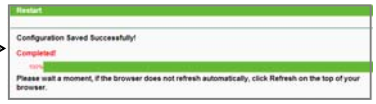



*Enter* the following:
WAN Connection Type = Static IP
IP address = 192.168.1.5
Subnet mask = 255.255.255.0
Default Gateway = 192.168.1.1
Primary DNS = 192.168.1.1
Secondary DNS = 192.168.0.254
*Click Next or* Save




*Click* Reboot
*Click* OK

Restart - Wait for the TP-Link to finish and restart
*Close* Google Chrome when 100% Complete




On the QRS PNOmation II remote control:
Press the following buttons in sequence:
SHIFT FUNC 9 9 0 - The third light should be green
*Press SHIFT INFO to Confirm the IP address.*

C *Left-Click* on the network signal strength indicator
*Select* Open Network and Sharing Center

D *Select* Change Adapter Settings

E *Right-Click* over the Wireless Network Connection
*Select* Properties

F *Select* Internet Protocol Version 4 (TCP/IPv4)
*Select* Properties

G *Select* Obtain an IP address automatically
*Press the* OK button, wait... and *Close* all windows

The device is ready for Stand-Alone Mode on the PMII
*Connect* to the QRSPNO Stand Alone
*Open* Google Chrome and Navigate to 192.168.1.1

# Wi-Fi Configurations

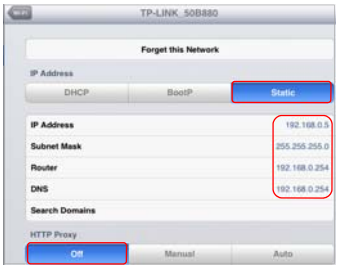
## How to Recover the TP-Link: to "Stand Alone: after a TP-Link Reset [iPad & Safari Example]

*The TP-Link has been pre-programmed by QRS so it's not necessary to reset it. But, if the SSID name shown on the back of the TP-Link appears in your wireless network connection list, it's been reset. To reset the TP-Link, press and hold the "Reset" button on the side of the TP-Link for 8 seconds, or until the light blinks at lease 3 times.*

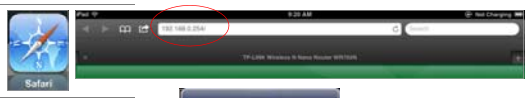
*Select* Settings and then Wi-Fi on your iPad, iPhone or iTouch
*Select* and *Connect* to the TP-Link
*TP-Link_50B880in our example*

You may be asked for the TP-Link's password.
It's located on the back of the TP-Link.

*Set a Static IP address* on your iTouch, iPhone or iPad
Touch the blue circle to the right of the TP-Link
*Enter* the following:
IP address = 192.168.0.5
Subnet mask = 255.255.255.0
Router = 192.168.0.254
DNS = 192.168.0.254
Go back to your home screen…




*Select* the Safari browser
*Enter* the following address:
192.168.0.254 and press Go



*Enter* admin as the User Name and Password
Press the "Log In" button.

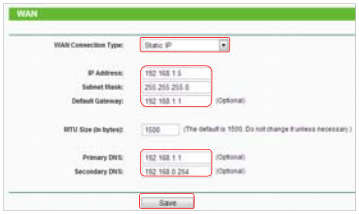
*Click* Quick Setup
*Click* Next

*Select* Router Mode
*Click* Next

*Change* the SSID to QRSPNO Stand Alone
Set Channel to Auto
Under Security Options: *Select* Disable Security
*Click* Next

*Under* WAN Connection Type *select* Static IP
Click "Next"

*Enter* the following:
WAN Connection Type = Static IP
IP address = 192.168.1.5
Subnet mask = 255.255.255.0
Default Gateway = 192.168.1.1
Primary DNS = 192.168.1.1
Secondary DNS = 192.168.0.254
*Click Next or* Save



Click "Reboot"
Click "OK" to confirm.
The TP-Link will configure and restart.

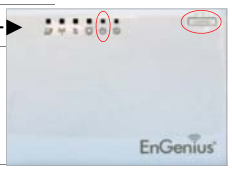
On the QRS PNOmation II remote control:
Press the following buttons in sequence…
SHIFT FUNC 9 9 0
The third light should be green.
*Press* SHIFT INFO to confirm the 192.168.1.1 address.

The device is ready for Stand-Alone Mode on the PMII
*Connect* to the QRSPNO Stand Alone
*Open* Safari and Navigate to 192.168.1.1

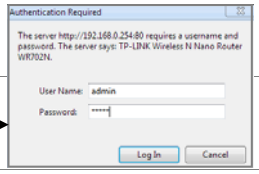
# Wi-Fi Configurations

## How to Reset the EnGenius ETR9330 to " Stand Alone Mode [Windows 7 & Google Chrome Example]

Press and hold the WPS button for about 10 seconds. Release after the power button flashes a few times.



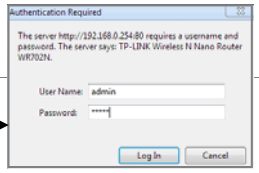

Connect to the EnGenius xxxx Wi-Fi device.




Open Google Chrome, Android browser, or Safari, and navigate to 192.168.0.1
Enter "admin" as the User Name and Password.
Press the "Log In" button.

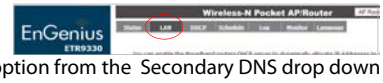
Select Wireless
Enter "QRSPNO" for SSID1.
Press the "Apply" button.
Wait for the EnGenius to reload.

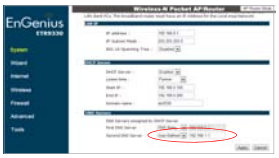
Connect to QRSPNO.




Open Google Chrome, Android browser, or Safari, and navigate to 192.168.0.1
Enter "admin" as the User Name and Password.
Press the "Log In" button.

Select System / LAN.




Select "User-Defined" option from the Secondary DNS drop down box.
[Can't get to this setting using an iPad]
Enter "192.168.1.1" as the Secondary DNS address.
Press the "Apply" button and wait for EnGenius to reload.
Close browser.

On the QRS PNOmation II remote control:
Press the following buttons in sequence…
SHIFT FUNC 9 9 0
The third light should be green.
Press SHIFT INFO to confirm the 192.168.1.1 address.

Verify that you are still connected to QRSPNO
Open your browser to 192.168.1.1 to connect to PMII.

# Wi-Fi Configurations

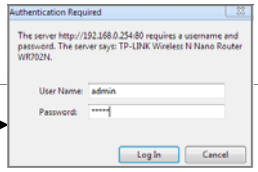
## How to Configure the EnGenius ETR9330 to "Network" Mode [Windows 7 & Google Chrome Example]

**You will need the following information from your home network:**
Network Name (SSID)
Encryption Type
Key Type
Encryption Key

Using a QRS remote control:
Press the following buttons in sequence…
SHIFT FUNC 9 9 1 [F1/Source 9 9 1]
Third light flashes red/green and then solid yellow.

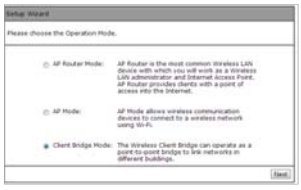
Connect to QR SPNO.

Open Google Chrome, Android browser, or Safari, and navigate to 192.168.0.1
Enter "admin" as the User Name and Password.
Press the "Log In" button.




Select "Wizard".
Press the "Next" button.

Select "Client Bridge Mode"
Press the "Next" button.




Enter the Network Name (SSID) to match your home Wi-Fi device.
Click on the Encryption drop-down box and select mode to match your home Wi-Fi.

Select/Enter the following to match your home's Wi-Fi device:
Encryption Type
Key Type
Encryption Key
Press the "Next" button.

Verify "Setup Successful"
Press the "Reboot" button.
Wait for system reboot.
Close browser.

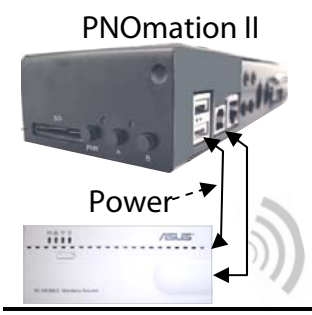
Connect to your home network.

To repeat the IP address:
Press SHIFT and then INFO on the QRS PNOmation II remote.

Open Safari or Google Chrome and enter the IP address heard from the speaker.

# Wi-Fi Configurations

## Configure the ASUS WL 330N3G to "Stand Alone" Mode




**Default Configuration Set by QRS**

All systems are shipped in Stand-Alone mode: [1] The PLx Network light is green and [2] you should see "QRSPNO ####" when viewing your local Wi-Fi devices . These instructions are used to reset the PMII and the ASUS wireless to the default configuration.

***For best results, go to qrsmusic.com. to download and install the latest PMII driver update.*** *Instructions using Driver V3.66.*
If the "Power" light is yellow, tap the PLx button once so that the light turns green.
*Point the remote at the button on the PLx box. The "System" light will flash, w/ voice prompts, on remote control commands.*
Using a QRS Remote: Press SHIFT then FUNC then 9 9 0.
*If you have one of the smaller QRS remotes: press F1/Source then 9 9 0..*

The PLx Network light should now be green.

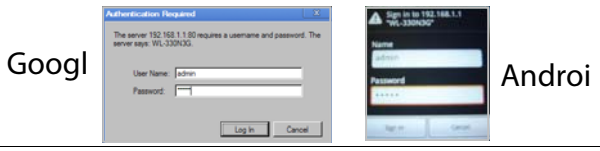
Press and Hold the "Restore' button, *on the back of the ASUS*, until the "power" light flashes at least 3 times.

DISCONNECT the Ethernet cable from PMII or the ASUS device.

View the available wireless devices using your iPad, iTouch, Android device or Wireless Computer.
If the ASUS was "restored" correctly you should see "ASUS" in your available Wi-Fi devices list.
Connect to the "ASUS" from the list and wait until a connection is established.

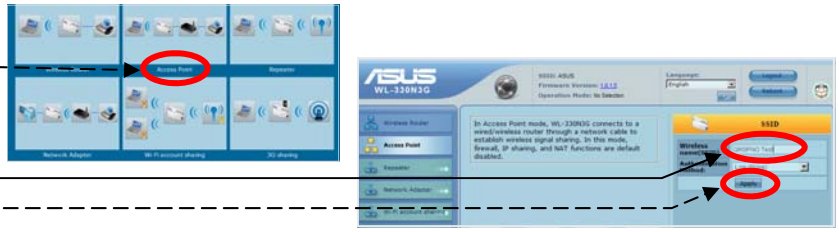
Apple devices may automatically open the Authentication screen when connection.
Enter admin in the User Name and Password fields.

If you are using an Android or a Computer and Google Chrome:
In your web browser, enter **192.168.1.1** in the URL address window.
Enter admin in the User Name and Password fields.
Click the Log In button.




The ASUS programming window opens.
Select Access Point.

Enter the "QRSPNO" in the Wireless name (SSID) field.
Our example uses QRSPNO Test
Click the APPLY button.



The ASUS will apply, save and restart with the new settings.

Close the browser window when 100% complete.

Reconnect the Ethernet cable.

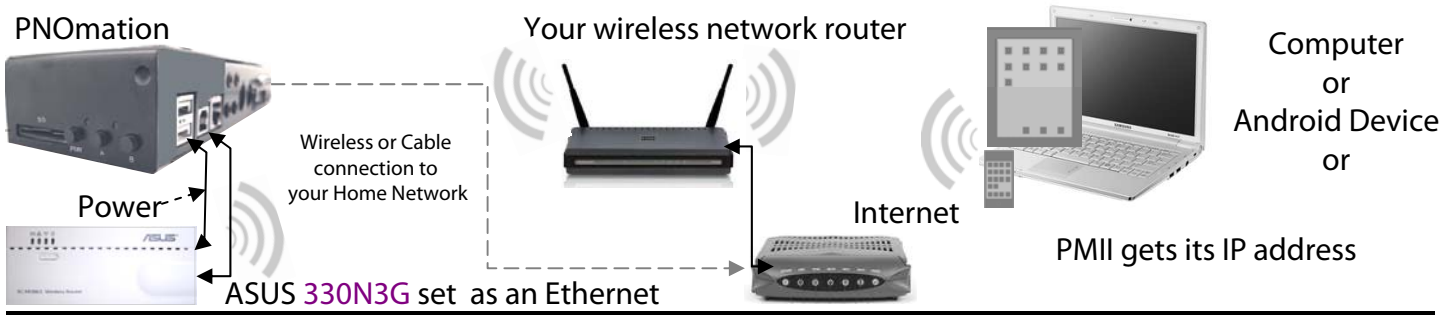
Wait for the voice prompt to report: "Standby"..."Connected"..."IP Address is...192.168.1.1". [Press FUNC INFO to repeat IP address]

You can now wirelessly connect to PNOmation II via the ASUS wireless access point..

Enter [192.168.1.1] in your Internet web browser, Google Chrome or Safari..

# Wi-Fi Configurations

## Configure the ASUS WL 330N3G to "Network" Mode

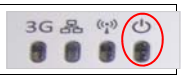



DISCONNECT the Ethernet cable from PMII or the ASUS device.

***For best results, go to qrsmusic.com. to download and install the latest PMII driver update.*** *Instructions using Driver V3.66.*
If the "Power" light is yellow, tap the PLx button once so that the light turns green.
*Point the remote at the button on the PLx box. The "System" light will flash, w/ voice prompts, on remote control commands.*
Using a QRS Remote: Press SHIFT then FUNC then 9 9 1.
*If you have one of the smaller QRS remotes: press F1/Source then 9 9 1.*

The PLx Network light should now be yellow.

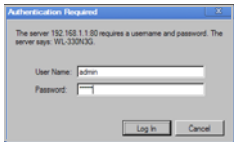
Press and Hold the "Restore' button, *on the back of the ASUS*, until the "power" light flashes at least 3 times.




View the available wireless devices using your iPad, iTouch, Android device or Wireless Computer.
Connect to the "ASUS" from the list and wait until a connection is established.

Apple devices may automatically open the Authentication screen when connection.
Enter admin in the User Name and Password fields.

If you are using an Android or a Computer and Google Chrome:
In your web browser, enter 192.168.1.1 in the URL address window.
Enter admin in the User Name and Password fields.
Click Log In (Apple) or click the OK (Android/Chrome) button.



Programming window opens.
Select Network Adapter.

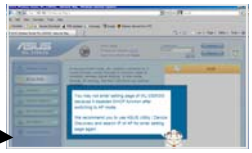
Close Help

Select your local wireless Network device from the Site Survey list.
Click the Connect button.

Enter your Network Key if requires and press Connect.

The ASUS will connect, save and restart with the new settings.

Close the browser window when 100% complete.



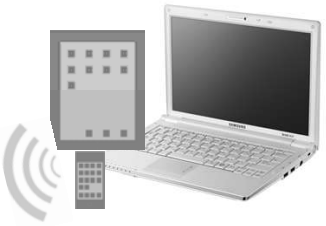
Connect your wireless device to your home network.
Reconnect the Ethernet cable
Wait for the voice prompt to report: "Network"..."Connected"..."IP Address is...192.168.1.xxx".
[FUNC INFO to repeat the IP Address]

Open your web browser and enter the IP address and connect to PNOmation II through your home Network.

# Wi-Fi Configurations

## Configure the ASUS WL 330gE to "Stand Alone" Mode

**Default Configuration Set by QRS**



Wireless Computer or Android Device or

ASUS 330gE Wireless

No access from home Network

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All systems are shipped in Stand-Alone mode: [1] The PLx Network light is green and [2] you should see "QRSPNO ####" when viewing your local Wi-Fi devices . These instructions are used to reset the PMII and the ASUS wireless to the default configuration.

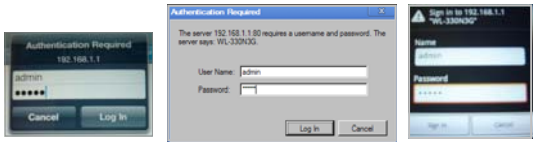
Press and hold the Reset button on the edge of the ASUS until the power light flashes at least three times.

***For best results, go to qrsmusic.com. to download and install the latest PMII driver update.*** *Instructions using Driver V3.66.*
If the "Power" light is yellow, tap the PLx button once so that the light turns green.
*Point the remote at the button on the PLx box. The "System" light will flash, w/ voice prompts, on remote control commands.*
Using a QRS Remote: Press SHIFT then FUNC then 9 9 0.
*If you have one of the smaller QRS remotes: press F1/Source then 9 9 0.*

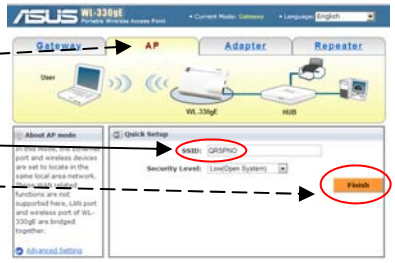
The PLx Network light should now be green.

View the available wireless devices using your iPad, iTouch, Android device or Wireless Computer.
If the ASUS was "reset" correctly you should see "ASUS" in your available Wi-Fi devices list.
Connect to the "ASUS" from the list and wait until a connection is established.

Open Apple Safari, Android Web Browser or Google Chrome on a Computer:
In your web browser, enter **192.168.1.220** in the URL address window.
The "Authentication Required" dialog box will appear.
Enter admin in the User Name and Password fields.
Click Log In.




The ASUS programming window opens.
Select the AP Tab
Enter "QRSPNO for the SSID name.
Click the FINISHED button.



Click OK

The ASUS will save and restart with the new settings
Wait for the progress to complete, 100%.
*At this point you will loose connection to the ASUS...*
Close the browser window when the progress is 100% complete.

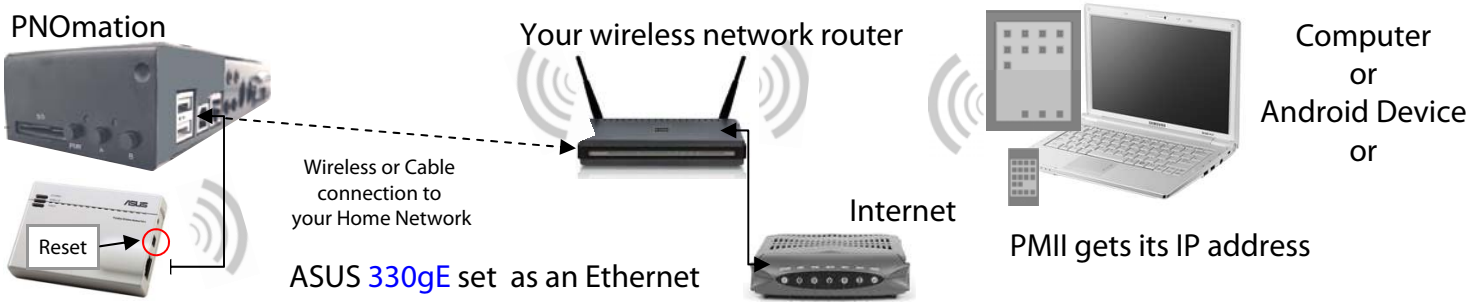
Wait for the voice prompt to report: "Standby"..."Connected"..."IP Address is 192.168.1.1"
[FUNC INFO to repeat the IP Address.]

Connect your wireless device to "QRSPNO".

Open Google Chrome, Safari or your Android browser and enter 92.168.1.1 to connect to PMII.

# Wi-Fi Configurations

## Configure the ASUS WL 330gE to "Network" Mode




***For best results, go to qrsmusic.com. to download and install the latest PMII driver update.*** *Instructions using Driver V3.66.*

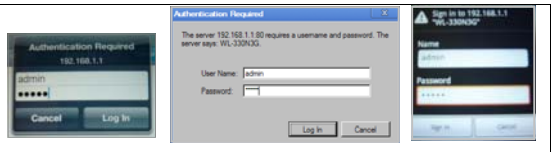
Press and hold the Reset button on the edge of the ASUS until the power light flashes at least three times.

If the "Power" light is yellow, tap the PLx button once so that the light turns green.
*Point the remote at the button on the PLx box. The "System" light will flash, w/ voice prompts, on remote control commands.*
Using a QRS Remote: Press SHIFT then FUNC then 9 9 1.
*If you have one of the smaller QRS remotes: press F1/Source then 9 9 1.*

The PLx Network light should now be yellow.

View the available wireless devices using your iPad, iTouch, Android device or Wireless Computer.
Connect to the "ASUS" from the list and wait until a connection is established.

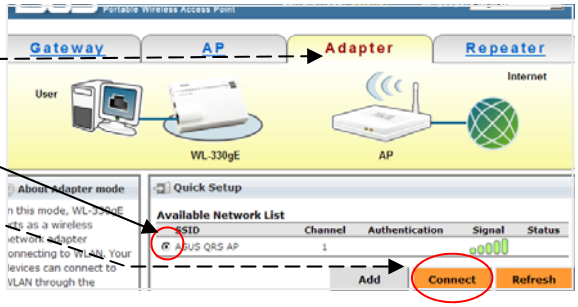
Open Apple Safari, Android Web Browser or Google Chrome on a Computer:
In your web browser, enter **192.168.1.220** in the URL address window.
The "Authentication Required" dialog box will appear.
Enter admin in the User Name and Password fields.
Click Log In.



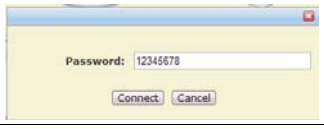

The ASUS programming window opens.
Click on the Adapter tab.

In the Available Network List , click on the radio button for your local network.
Our example shows ASUS QRS AP.

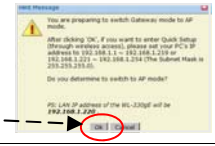
Click the Connect button.
*You may need to provide a password to your network.*
*Use the "Add" button if your local network is hidden.*




Enter the password of your home router if required.




This yellow message box will appear.
Click OK



The ASUS will save and restart with the new settings
Wait for the Progress to complete.
*At this point you will loose connection to the ASUS...*
Close the browser window when the progress is 100% complete.

Wait for the voice prompt to report the new IP Address from your network: "Network"..."Connected"..."IP Address xxx.
[FUNC INFO to repeat the IP Address]

Connect your wireless device to home router.

Open Google Chrome, Safari or your Android browser and enter IP Address that was reported to connect to PMII.

# Wi-Fi Configurations

## Configure the TRENDnet to "Stand Alone" Mode

## The Trendnet does NOT support Network Mode

*If you wish to set up PMII in Network Mode please call the number at the bottom of the page and we will replace the TRENDnet with an ASUS wireless unit.*

Flip the switch on the back of the TRENDnet to AP

Log In to the TRENDnet TEW-654TR Wireless Router

192.168.10.1

User Name = admin

Password = admin

Verify that the Firmware Version is 1.10.12

If the version is not 1.10.12 or higher call QRS Technical Support

Select: **Setup** / **Wireless**

Change the Wireless Network Name to **QRSPNO #**

*This is the name that will appear when you view the available wireless networks. It can be any name that you wish.*

Click the "Apply" button and wait...

Click the "Back" button when the data is successfully saved..

Select: **Setup** / **WPS** *"Wi-Fi Protection Settings"*

Click to **uncheck** "Enable to disable the protection

Click the "Apply" button and wait...

Click the "Back" button to save settings.

Select: **Setup** / **LAN**

Select "**Static IP**" in the "My LAN Connection is: drop-down box.

Change the Device Name to **QRSPNOAP**

Change the IP Address to **192.168.1.220**

Change the Gateway to **192.168.1.1**

Change the Primary DNS to **192.168.1.1**

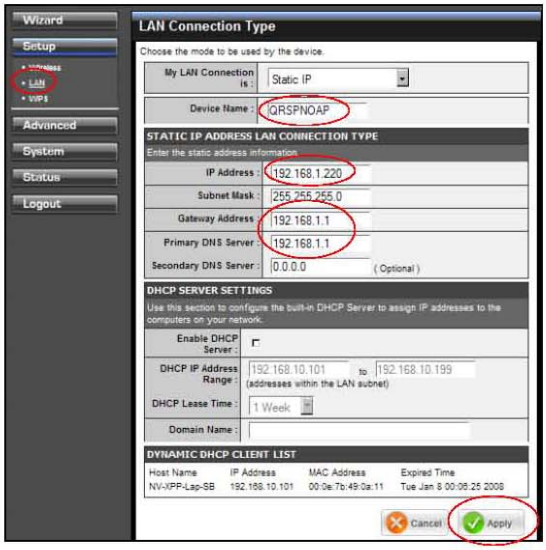
Click the "Apply" button and wait...

Click the "Back" button to save settings.

This will disconnect you from the Wi-Fi device.

*Use 192.168.1.220 if you need to log in to the TRENDnet setup again.*

Reconnect the TrendNet to PMII
You can now log on to PMII 192.168.1.1



# Troubleshooting & Service

**Testing the system from the PLx box.**

When the first light is yellow and the second is green, the system is in standby mode.
*The PMII processor is ready but the power to the key solenoids is off.*

Press the PLx button once to turn the first light green, which turns on the power to the key solenoids.
Pressing the button now will play the piano.
Pressing the button again will stop play.

If the first two or more lights are yellow, the system has shut down.

Unplug the AC power cord from the wall outlet...
Wait two minutes and then reconnect.

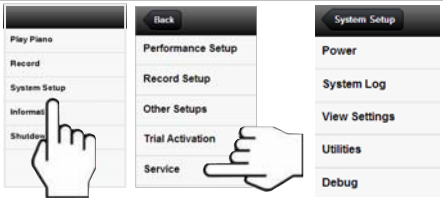
No Music

Shutdown / Unplug from AC wall outlet / Reinsert SD card / Reconnect to power.

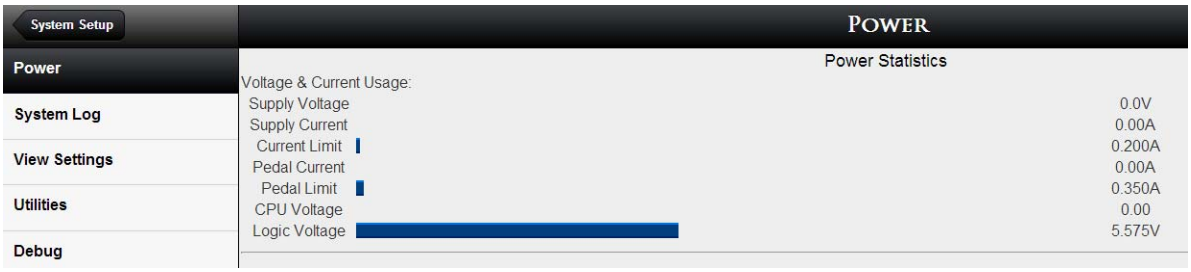
**PMII Light Patterns and Button Functions**

| | | |
|---|---|---|
| 1 | 2 Blinks / sec | Idle |
| | Blink | Blinks with MIDI data. Piano should be playing. |
| 2 | Solid | Idle |
| | 1 Wink / sec | Indexing Music |
| | Rapid Blinking | Updating Driver |
| 3 | 1 Blink / sec | Network Mode = Network with Connection |
| | Solid | Network Mode = Stand Alone with Connection |
| | Off | Network Mode = No Connection |
| | Hold down for just 4 seconds to change Network Mode.<br>Stand Alone<br>Network<br>OFF | |
| | Hold down for 8 seconds to power OFF PMII.<br>- Tap again to reboot. | |

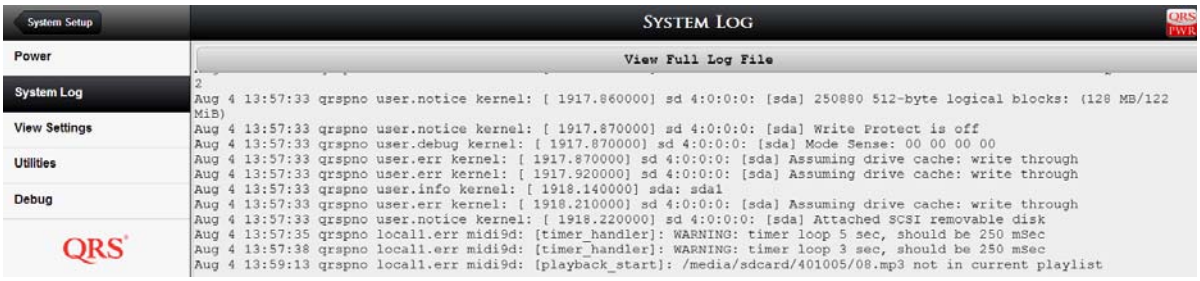
# Troubleshooting & Service




## Power

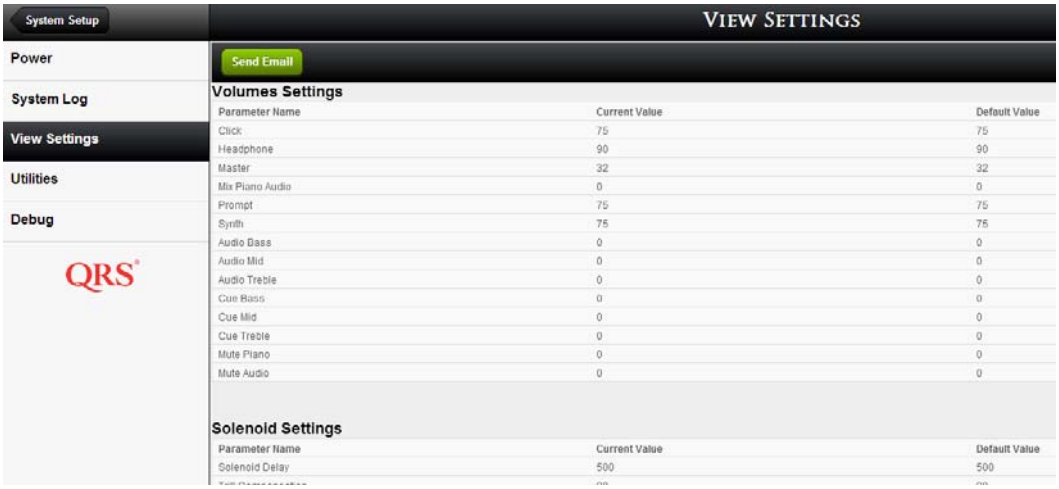



## System Log

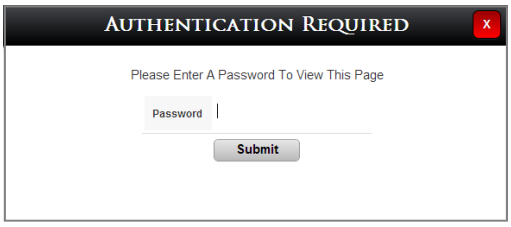


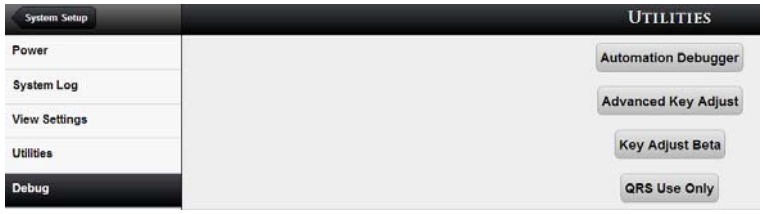

## View Settings: Lists the Current and Default Values for the following. items

- Volume
- Solenoid
- Keyboard
- Power Supply
- MIDI
- Network
- DRM
- Pedal
- PNOscan
- Record
- USB Drive
- Velocity Map



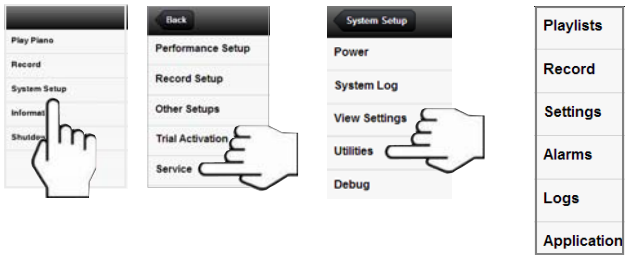

## Debug



# Troubleshooting & Service

## Utilities




### Playlists

### Record

### Settings

### Alarms

ON/OFF Scheduling

### Logs

### Application

Blank Page

# Complimentary Song List [319 Total]

A Beautiful Friendship
A Christmas Love Song
A Curious Story (Kinderscenen, Op 15)
A Holly Jolly Christmas
A Last Dance
A Night At The Opera
About Strange Lands And People (Kinderscenen, Op 15)
Adagio, from Sonata in C, Op 3 No 3 (Beethoven)
Addams Family Theme
Adoro
Afternoon Delight
Against All Odds
Ain't Misbehavin'
All I Do Is Dream Of You
Allegretto, from Haydn Sonata in E
Allegro con brio, from Sonata in C, Op 3 No 3 (Beethoven)
Allegro giusto (from Italian Concerto, BWV 971)
Allegro, from Sonata in C, K545 (Mozart)
Allegro, from Sonata in G, K283
Always (Atlantic Star)
Always On My Mind
Amazing Grace
Andante, from Sonata in C, K545 (Mozart)
Andante, from Sonata in G, K283
Angie
Animaniacs Theme
Annes de Pelerinage – Tarantella (Liszt)
Annie Get Your Gun, part 1
Annie Get Your Gun, part 2
Arabesque No 1 (Debussy)
As Long As He Needs Me
At A Georgia Camp-Meeting
Autumn In New York
Ave Maria (Schubert/Liszt)
Baby Medley
Bacharach Medley
Bad Bad Leroy Brown
Ballade in D Minor, Op 10 No 1
Basin Street Blues
Battle Hymn/How Great Thou Art
Beautiful Dreamer
Benny Goodman Medley
Blessed Assurance
Blue Skies
Blues For Big Scotia
Border Song
Bringing In The Sheaves
Brother Can You Spare A Dime
Burton Lane Medley
Candle Blessings
Captain Jack
Carolina In The Morning
Carousel
Chances Are
Change The World
Chanukah O Chanukah
Chemin de Fer (rag)
Chopsticks
Clair de Lune, Op 46 No 2 (Faure)
Contretanze
Could I Have This Dance
Crazy
Dancing In The Dark
Danny Boy
Danse (Debussy)
Days of Wine and Roses
Deed I Do
Deep In The Heart Of Texas
Do That To Me One More Time
Don't It Make My Brown Eyes Blue
Don't Take Your Love From Me
Down By The Riverside
Down Yonder
Dream
Dreamsville
Duelling Banjos
Eighteenth Street Strut
El Dia Que Me Quieras
El Pelele (Goyescas) (Granados)
Enticellas
Etude in C-sharp minor, Op 10 (Chopin)
Etude in E, Op 10 No 3
Etude in G-flat, Op 10 No 5
Etude in G-sharp Minor, Op 25 No 6
Etude, Op 2 No 1 (Scriabin)
Etude, Op 3 No 5 (Scriabin)
Everything I Have Is Yours
Exactly Like You
Exodus
Fantasie in B minor, Op 28 (Scriabin)
Fine And Dandy
Finian's Rainbow
First Kiss
Five Foot Two, Eyes Of Blue
For The Good Times
Forty-Second Street
Forty-Second Street, part 1
Forty-Second Street, part 4
Frosty the Snowman
Georgia On My Mind
Get Happy
Ghostbusters Theme
Glenn Miller Medley
God Bless America/America The Beautiful
God Rest Ye Merry Gentlemen
Gone With The Wind
Good King Wenceslas
Good-bye Yellow Brick Road
Gypsy, part 1
Gypsy, part 2
Hard-Hearted Hannah
Hark! The Herald Angels Sing
He Hideth My Soul
High Noon
Holberg Suite: Preludium
Holberg Suite: Sarabande
Honeysuckle Rose
Honky Cat
How About You
Hungarian Rhapsody No 2 (Liszt)
Hungarian Rhapsody No. 12 (Liszt)
I Don't Need You
I Don't Stand A Ghost Of A Chance
I Don't Want To Walk Without You
I Just Called To Say I Love You
I Love My Wife
I Love Paris
I Married An Angel
I Only Have Eyes For You
I Saw Three Ships
I Want To Be Happy
I'll Be Around
I'll Close My Eyes/Close Your Eyes
I'm Old-Fashioned
I'm Through With Love
I've Got A Crush On You/I've Got It Bad
If Ever I Would Leave You
If I Could Be With You
If You Believe
Impromptu in G-flat, Op 90 No 3 (Schubert)
In Dulci Jubilo
In The Mood
Intermezzo in A, Op 118 No 2
Irlandaise
Irving Berlin Medley
Isn't It Romantic
It Came Upon A Midnight Clear
It Might As Well Be Spring
It Was A Very Good Year
It's A Grand Night For Singing
It's De-lovely
It's Impossible
It's Not For Me To Say
It's Too Late
Ivor Novello Medley
Jeepers Creepers
Jesus, Jesus Rest Your Head
Jesus, The Very Thought Of You
Jolly Old St. Nicholas

# Complimentary Song List

Killing Me Softly With His Song
Killing Me Softly With His Song
La Cage Aux Folles
Lazy Bones
Le Chemin de Fer (Alkan)
Leola
Les Miserables
Liebesleid (Kreisler/Rachmaninov)
Liebestraum No. 3 (Liszt)
Linus & Lucy
Lookin' For Love
Love And Marriage
Love Letters
Love Makes The World Go Round
Love Walked In
MacNamara's Band
Manhattan
Masquerade
Mazurka, Op 6 No 3
Medley No. 1
Memories Of You
Memories of You/As Time Goes By
Minuet (Boccherini)

Minuet in G, Op 17 No 2
Moderato, from Haydn Sonata in E
Moondance
Moonglow
Moonlight and Roses
Moonlight Cocktail
Moonlight In Vermont
Moonlight Serenade

Moonlight Sonata, 1st Mvt.
More
Morning Has Broken
Morning Sun
Mr. Jelly Lord
Muppet Show Theme
Music, Music, Music
My Christmas Song for You
My Foolish Heart
My Heart Stood Still
New Hampshire Hornpipe
Niteflite
No No Nanette
Nocturne in F (Chopin)
O Christmas Tree
Oh Happy Day
On Golden Pond
On The Street Where You Live
On The Sunny Side of the Street
Only Trust Your Heart
Ooh! Look-a There, Ain't She Pretty
Oops! I Did It Again
Paganini Etude No. 3 (La Campanella)
Paper Moon
Penny Lane
Phantom Fantasy
Pizzicato Polka
Please Be Kind
Polka Medley
Polonaise in A-flat, Op 53 (Chopin)
Polonaise, Op 26 No 1
Prelude No 1 in C (WTC I)
Prelude No 10 in E Minor (Bach/Siloti)
Presto, Concert Piece No. 2 in D Minor (Mendelssohn)
Reverie, Op 3 (Joel)
Romanze from Concerto No 1
Rose of Washington Square
Rosenkavalier Waltzes (R. Strauss)
Ruby
Rudolpho's Narrative (La Boheme)(Puccini)
Sad Songs
Santa Claus Is Coming To Town
Satin Doll/They Can't Take That Away From Me
Sea Songs Medley
Semper Fedelis
Send In The Clowns
Shadow Waltz
Shall We Gather At The River
Since I Fell For You
Six Variations on Nel Cor Piu
Smells Like Teen Spirit
Smoke Smoke Smoke
So Am I
Some Other Time
Something
Somewhere Out There
Sonata No 4 in F-sharp, Op 30 (Scriabin)
Sophisticated Ladies, part 1
Sophisticated Ladies, part 2
Southern Nights
Souvenirs D'Andalousie (Gottschalk)
Spancil Hill
Speak Softly Love
Spinner's Song , Op 67 No 4 (Mendelssohn)
Stars Fell On Alabama
Straight Ahead
Stumbling
Suite, Op 14 No 1 (Bartok)
Suite, Op 14 No 2 (Bartok)
Suite, Op 14 No 3 (Bartok)
Sweet And Low Down
Sweet Rosie O'Grady
Taking A Chance On Love
Tango (Albeniz)
Thank You
Thanks For The Memory
Thanksgiving
That Old Black Magic
That Old Feeling
The Birth Of The Blues
The Entertainer
The Fantasticks
The Folks Who Live On The Hill
The Gift
The Good Life
The Hut Sut Song
The Moth Waltz (Straus/Tausig)
The Nearness of You
The Nearness of You/One Morning In May
The One I Love (Belongs To Somebody Else)
The Phantom of the Opera
The Rose
The Sheik of Araby
The Sound of Music II
The Stranger
The Talk Of The Town
The Tribute
The Trolley Song
The Twist
The Very Thought Of You
The Way It Is
The Way You Look Tonight
The Wizard of Oz
Third Movement - Piano Concerto in E-flat (Mozart)
Through The Eyes Of Love (Ice Castles)
To Beat The Band
Tommy Dorsey Medley
True Love
Unforgettable
Up On The Housetop
Valentine
Valse Impromptu in A-flat (Liszt)
Volare
Walkin' After Midnight
Waltz in A-flat, Op 39 No 15 (Brahms)
Waltz No 1 (Joel)
We Three Kings
What Child Is This (Greensleeves)
What The World Needs Now
When My Baby Smiles At Me
Where Everybody Knows Your Name (Cheers)
White Christmas Medley
Who Is It?
Who Wants To Live Forever
Wonderful Words Of Life
You Light Up My Life
Young At Heart
Zing Went The Strings Of My Heart

# PNOmation II® UPDATE/UPGRADE PACKAGE
# LIMITED WARRANTY

**PNOmation II ELECTRONICS LIMITED WARRANTY**

QRS Music Technologies, Inc. ("QRS") warrants to you for the Warranty Period that there are no defects in the materials of this Product (as identified at the end of this warranty certificate). The "Warranty Period" expires (except as explained below) Two (2) years from the date of your purchase of the Product. In order to determine the date of your purchase of the Product, you will need to provide to us a credit card receipt, a purchase agreement, a sales slip, a warranty registration or some other form of proof that you are the original purchaser and the date of your purchase of the Product.

If you are not able to provide us with some form of proof of purchase date, the Warranty Period will be a shorter period (the "Shorter Warranty Period") which is two years from the date that your dealer purchased the Product from QRS. If you cannot provide a proof of purchase date, you may contact us in the manner described below and we will assist you in determining the date that your dealer purchased the Product from us and determining the Shorter Warranty Period. This is a warranty for parts only and does not include shipping or labor.

This warranty does not apply to any accessories you may have purchased with the Product and does not apply to any piano or components of the piano with which the Product is used or any Piano in which the Product is installed. In addition, this warranty does not cover scratches, dents or other defects in the cosmetic finish of the Product.

The warranty is issued solely to the original purchaser of the Product. THIS WARRANTY IS NOT TRANSFERABLE. If, during the Warranty Period, parts incorporated in this Product are found to be defective in material or workmanship, and the original purchaser provides Purchase Documents to QRS, then QRS or its authorized dealer will provide replacement parts without charge. We may, at our discretion, provide reconditioned parts or assemblies as warranty replacements. You as the original purchaser will be responsible to pay labor costs incurred in connection with any repair.

**LIMITATION IN CONNECTION WITH OBSOLETE PRODUCTS**

If at the time you make a claim pursuant to this warranty, we no longer manufacture or sell the same model of Product, we may, at our discretion, rather than repair or replace defective parts in the Product, offer to sell you a more current version of a similar Product. If we offer to sell you a more current model of the Product, you will be responsible to pay the difference between the Manufacture's Suggested Retail Price ("MSRP") of the more current version of a similar Product and the price you paid for the Product you purchased. If you choose not to accept such offer, we will have no further obligations pursuant to this warranty.

THIS WARRANTY IS IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, MADE BY THE MANUFACTURER IN CONNECTION WITH THIS PRODUCT. INCLUDING, BUT NOT LIMITED TO, WARRANTIES OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT ALLOWED BY THE LAW, QRS SHALL NOT BE RESPONSIBLE FOR LOSS OF THE PRODUCT, LOSS OF TIME, INCONVENIENCE, COMMERCIAL LOSS, SPECIAL OR CONSEQUENTIAL DAMAGES, EVEN IF THE MANUFACTURER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

This warranty gives you specific legal rights. Some states provide other rights, and some states do not allow excluding or limiting liability for incidental or consequential damage. Consequently, the limitations and exclusions in this warranty may not apply to you. In addition, some jurisdictions have consumer protection rules, regulations and statutes that may apply to you.

# PNOmation II® UPDATE/UPGRADE PACKAGE
# LIMITED WARRANTY

**Exclusions**

There is no express warranty on the Product and this warranty is void if:

1. You did not purchase this Product from an authorized QRS reseller
2. This Product has been serviced, modified or tampered with by anyone other than an QRS Authorized Service Representative
3. The name, trademark or serial number has been modified, defaced or removed from the product,
4. This Product has been damaged as a result of abuse, abnormal force or strain, failure to reasonably maintain and protect, modification, accident or exposure to extreme temperature or humidity,
5. Parts, supplies or other accessories which have not been approved by QRS have been used with this Product,
6. Radio frequency interference is generated by uncertified and/or illegal equipment,
7. This Product has been moved or delivered without reasonable preparation and packaging or
8. QRS reasonably determines, after inspection that there has been modification of this Product which adversely affects the reliability of the product or component.
9. Replacement of the SD card and its contents.

**Owner's Responsibility**

In order to have rights under this warranty, you have the following responsibilities:

1. Retain your proof of purchase and purchase date and register your product either online at qrsmusic.com or send in your Warranty Registration Card
2. Notify QRS or any authorized dealer of any warranty claim within ten (10) days after discovery and provide a detailed explanation of the problem.

**General**

If any provision herein shall be unlawful, void or for any reason unenforceable, then that provision shall be deemed severable from this warranty certificate and shall not affect the validity of and enforceability of the remaining provisions.

QRS reserves the right to make changes in design and/or improvements to its products without any obligation to retrofit products previously manufactured.

**INSTRUCTIONS FOR OBTAINING WARRANTY SERVICE**

1. If you cannot provide proof of purchase, contact QRS at 800-247-6557 and we will attempt to determine the date on which your dealer purchased the Product and assist you in determining the Shorter Warranty Period. For warranty service, contact the dealer from whom you purchased the product, or your nearest dealer.
2. If no dealer is near you, contact QRS by phone at 800-247-6557.
3. Do not ship the product without prior written Return Authorization from QRS. Do not attempt to repair or disassemble the product yourself.
4. Please record your model number and serial number and your date of purchase below for your records. Keep this information with your proof of purchase in case your product requires service. Do not dispose of the warranty after it expires. In the event your product ever requires service, these instructions should be helpful in enabling you to obtain proper service.

Product Model #_____

Product Serial #_____

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QRS PM II